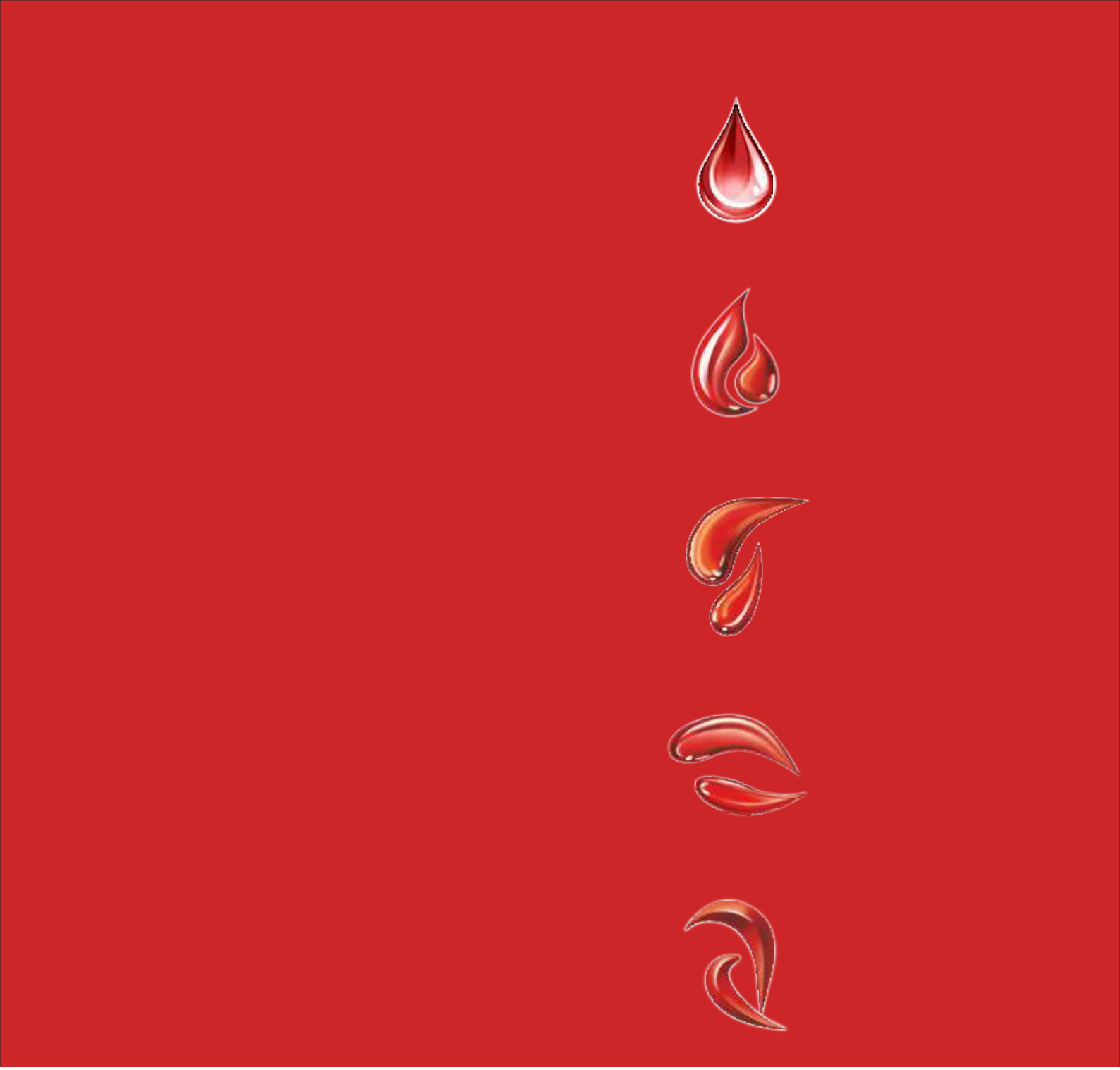


RAKIRO

Create...Innovate...Deliver!

Rakiro Biotech Systems Private Limited
www.rakiro.net

About Us

Rakiro provides solutions for testing, measurement and water treatment for the process Industry. In past few years we have made a mark in the field of testing and have a strong presence in India as well as other parts of the world with a wide network of dealers & distributors. Also with a vast experience in the field of water treatment our chemical division specializes in chemical formulations required in the smooth running of various processes and helps improve the efficiency of production. We are truly invested in understanding our clients' needs and working with them to deliver high quality solutions, with continuously reviewing and improving our way of working. All our products are evaluated and approved by major institutes and authorities in India.

Our Infrastructure

Our pragmatic workforce & state of the art manufacturing facility produces a wide range of Instruments & Field Test Kits for both microbiological & chemical analytical parameters. Our ERP system based operations help us to make majority of the product range available of the shelf. This helps all our clients in enhancing the pace of onsite Testing or Treatment & thus efficiently monitor a running process. We understand the importance of systems and processes for smooth functioning and thus we follow system driven operations. We have aquired ISO 9001:2015 certification for our Quality Management System (QMS).



Automized Production

Instrument Assembly





Quality Control

R&D Laboratory



Our Team

For us leadership is not about glorious crowning acts. It's about keeping your team focused on a goal and motivated to do their best to achieve it.



Our Product

AQUASOL
Analyzing Waters
Anytime...Anywhere...

Water Test Kits

- Individual Water Test Kit 4
- Individual Combination Test Kit 7
- Soil Test Kit 8
- Indicator Test Paper 9

BACTASLYDE®
Detect Bacteria Easily
Anytime... Anywhere...

Microbiological Test Kits

- Dipslide Test Kit 10
- Pouch Pack Test Kit 10
- Product Range 11

ChekNsee
Power to see the Invisible Danger

Drinking Water Test Kit

- Coliform Bacteria Test Kit 12

AQUASOL DIGITAL

Digital Instruments

- Handheld Meters 13
- Pentype Meters 14
- Multiparameter Meters 14
- Portable Meters 16
- COD Digestor 17
- Calibration Solution 18
- Table Top Meters 19
- Bench Top Meters 20
- Onilne Meters 21
- Electrodes 23

UDAAQ
COMPLETE WATER SOLUTIONS

Chemical Formulation

- Reverse Osmosis Chemicals 25
- Cooling Water Chemicals 27
- Boiler Water Chemicals 26
- Sugar Process Chemicals 28
- Specialty Chemicals 29

NSF®
CERTIFIED TO NSF/ANSI 60

AGNISOL
Fire-Side Chemicals

Fireside Additives

- Solid Fuel Additive 30
- Furnace Treatment Compound 30

AQUASOL

Analyzing Waters
Anytime... Anywhere...



AQUASOL test kits are extremely simple and easy to use making monitoring convenient and quick, thus preventive action can be taken immediately. You neither have to be a trained chemist nor require any experience to get reliable results from these test kits.

AQUASOL test kits are based on standard and established analytical methods, backed by chemical research. These are simple adaptations of classic chemical analytical methods. The analytical methods are based on Standard Methods for Examination of Water and Waste Water prepared by American Public Health Association (APHA), American Water Works Association (AWWA), different pharmacopoeias and other standard methods.

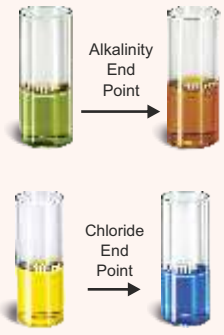
You can have complete confidence in the results you obtain from AQUASOL, as they are extremely reliable. AQUASOL® systems replace conventional analytical methods such as Titrimetric, Colorimetric and Spectrophotometric by simple drop tests and standard colour comparison methods.



AQUASOL reagents are completely ready to use, conveniently packed, and therefore user friendly. Our drop count procedures and colour comparisons tests are economical.

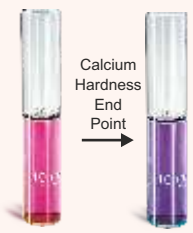
AQUASOL test kits are extremely convenient, and free you from the tedium of the laboratory, while saving precious time. Now you do not have to bother about reagent preparations and standardization. Therefore AQUASOL test kits have been designed especially for you, who require accuracy of the highest standards.

AQUASOL test kits are available for almost all water parameters.









Combination Kits

AQUASOL Range

Sr	Parameter	Code	Product Range	No. of Tests
1	Total Hardness Test Kit	AE201	2 - 40 & 5 - 100 PPM (Mg/L)	250
2	Total Hardness Test Kit	AE211	2 - 40 & 25 - 500 PPM (Mg/L)	250
3	Total Hardness Test Kit	AE221	5 - 100 & 25 - 500 PPM (Mg/L)	250
4	Total Hardness Test Kit	AE231	1 - 20 & 5 - 100 PPM (Mg/L)	250
5	Total Hardness Test Kit	AE241	50 - 1000 PPM (Mg/L)	250
6	Total Hardness Test Kit	AE501	2 - 40 & 5 - 100 PPM (Mg/L)	500
7	Total Hardness Test Kit	AE511	2 - 40 & 25 - 500 PPM (Mg/L)	500
8	Total Hardness Test Kit	AE521	5 - 100 & 25 - 500 PPM (Mg/L)	500
9	Total Hardness Test Kit	AE531	1 - 20 & 5 - 100 PPM (Mg/L)	500
10	Total Hardness Test Kit	AE541	50 - 1000 PPM (Mg/L)	500
11	Acidity Test Kit	AE264	10 - 200 & 100 - 2000 PPM (Mg/L)	300
12	Alkalinity Test Kit	AE204	10 - 200 & 100 - 2000 PPM (Mg/L)	300
13	Alkalinity Test Kit	AE214	5 - 100 & 25 - 500 PPM (Mg/L)	300
14	Aluminium Test Kit	AE451*	0.0, 0.1, 0.2, 0.4, 0.6, 0.8, 1.0, 1.5 PPM / 0.0, 0.015, 0.03, 0.05, 0.075, 0.15 PPM	200
15	Amine Test Kit	AE402	5 - 100 & 50 - 1000 PPM (Mg/L)	300
16	Amine Test Kit	AE412	1 - 20 PPM (Mg/L)	300
17	Ammonia Test Kit	AE307*	0.5, 1, 2, 4, 6, 8 PPM	250
18	Ammonia Test Kit	AE317*	0.05, 0.1, 0.25, 0.5, 0.75, 1 PPM	100
19	Ammonia Test Kit (Salt Water)	AE337*	0.05, 0.25, 0.5, 1.0, 2.0, 4.0, 6.0, 8.0 PPM	250
20	Ammonia Test Kit	AE357*	0.05, 0.25, 0.5, 1.0, 2.0, 4.0, 6.0, 8.0 PPM	250
21	Arsenic Test Kit	AE408*	0, 5, 10, 25, 50, 75, 100 PPB (50 Tests) / 0, 0.15, 0.2, 0.5, 1.0, 2.0, 3.0 PPM (50 Tests)	100
22	Arsenic Test Kit	AE418*	0, 5, 10, 25, 50, 75, 100, 300, 500 PPB	60
23	Bromine Test Kit	AE404	0.1 - 2.0 PPM (Mg/L)	300
24	Calcium Hardness Test Kit	AE202	5 - 100 PPM (Mg/L)	300
25	Calcium Hardness Test Kit	AE212	25 - 500 PPM (Mg/L)	300
26	Carbon Dioxide Test Kit	AE403	2 - 40 & 10 - 200 PPM (Mg/L)	300
27	Chloride Test Kit	AE203	10 - 200 & 50 - 1000 PPM (Mg/L)	300
28	Chloride Test Kit	AE213	2 - 40 & 5 - 100 PPM (Mg/L)	300
29	Chloride Test Kit	AE213L	1 - 20 PPM (Mg/L)	300
30	Chlorine Dioxide Test Kit	AE405	0.2 - 4.0 PPM (Mg/L)	300
31	Chlorine Dioxide Test Kit	AE415*	0.1,0.2, 0.5, 1.0, 2.0, 3.0, 4.0, 5.0 PPM	500
32	Chlorine Test Kit	AE246	10 - 200 PPM (Mg/L)	300
33	Chlorine Test Kit	AE246L	1 - 20 PPM (Mg/L)	300
34	Chloroscope Test Kit	AE409*	0.05, 0.1, 0.2, 0.4, 0.7, 1.0, 2.0, 3.0, 4.0, 5.0 PPM	1000
35	Chloroscope Test Kit	AE419*	0.05, 0.1, 0.2, 0.4, 0.7, 1.0, 2.0, 3.0, 4.0, 5.0 PPM	1000
36	Chromate Test Kit	AE208	5 - 100 & 25 - 500 PPM (Mg/L)	200
37	COD Test Kit	AE407	40 - 400 PPM (Mg/L)	100
38	COD Heating Mantle	AE407HM	0 - 100 Deg	NA
39	COD Test Kit	AE407R	40 - 400 PPM (Mg/L)	100
40	Copper Test Kit	AE310*	0.025, 0.05, 0.1, 0.25, 0.5, 0.75, 1, 2, 3, 5 PPM	250
41	DEHA Test Kit	AE453*	0, 0.05, 0.1, 0.2, 0.4, 0.7, 1.0, 1.5 PPM	300
42	Dissolved Oxygen Test Kit	AEDO8	0.5 - 8.0 PPM (Mg/L)	250
43	Fluoride Test Kit	AE210	0.1 - 2.0 & 1 - 20 PPM (Mg/L)	300
44	Fluoride Test Kit	AE220*	0, 0.25, 0.5, 0.75, 1, 1.5, 2, 3 PPM	200

Note: Product marked (*) are based on Colour Comparison Method & all others products are Drop Titration Method based.

AQUASOL Range

Sr	Parameter	Code	Product Range	No. of Tests
45	Free Chlorine Test Kit	AE205	0.1 - 2.0 PPM (Mg/L)	300
46	Free Chlorine Test Kit	AE215	0.2 - 4.0 PPM (Mg/L)	300
47	Free Chlorine Test Kit (DPD)	AE225*	0, 0.2, 0.5, 1.0, 2.0, 3.0, 4.0, 5.0 PPM (Comparator)	300
48	Formaldehyde Test Kit	AE454*	0, 10, 25, 50, 75, 100, 150, 200 PPM (Mg/L)	300
49	Hydrazine Test Kit	AE304*	0.1, 0.2, 0.3, 0.4, 0.75, 0.9, 1.0, 1.25 PPM	200
50	Hydrogen Peroxide Test Kit	AEHP	5 - 100 & 25 - 500 PPM (Mg/L)	300
51	Hydrogen Sulphide Test Kit	AE452*	0, 0.025, 0.05, 0.075, 0.1, 0.25, 0.5, 1.0 PPM	200
52	Hydrogen Sulphide Test Kit	AE462*	0, 2.5, 5.0, 7.5, 10, 15, 20, 25 PPM	200
53	Iodine Test Kit	AE406	0.1 - 2.0 PPM (Mg/L)	150
54	Iron Test Kit	AE303*	0, 0.05, 0.1, 0.3, 0.4, 0.5, 0.7,1, 1.5, 2 PPM	200
55	Iron Test Kit	AE313*	0, 2, 4, 6, 8, 10 PPM	200
56	Manganese Test Kit	AE410*	0.025, 0.05, 0.1, 0.2, 0.3, 0.4 PPM	200
57	Molybdate Test Kit	AE309*	5, 10, 20, 30, 40, 50 PPM	400
58	Nitrate Test Kit	AE308*	0.5, 1.0, 2.5, 5.0, 7.5, 10, 20, 30, 40, 50 PPM	300
59	Nitrate Test Kit	AE318*	0, 5, 10, 20, 30, 40, 80, 160 PPM	300
60	Nitrate Test Kit (Salt Water)	AE328*	0, 5, 10, 20, 30, 40, 80, 160 PPM	300
61	Nitrite Test Kit	AE207	50 - 1000 PPM (Mg/L)	300
62	Nitrite Test Kit	AE217*	0.025, 0.05, 0.1, 0.2, 0.3, 0.4, 0.5, 0.6, 0.7, 0.8 PPM	500
63	Nitrite Test Kit	AE227*	0, 0.25, 0.5, 0.75, 1, 2, 3, 5 PPM	500
64	Nitrite Test Kit (Salt Water)	AE247*	0, 0.25, 0.5, 0.75, 1.0, 2.0, 3.0, 5.0 PPM	500
65	Nitrite Test Kit	AE257*	1, 2.5, 5.0, 7.5, 10, 20, 30, 50 PPM	400
66	Ozone Test Kit	AEOZ3	0.05 – 1.00 PPM (Mg/L)	100
67	Ozone Test Kit	AEOZ3H	0.25 – 5.00 PPM (Mg/L)	100
68	PH Test Kit	AE306*	4, 5, 5.5, 6, 6.5, 7, 7.5, 8, 8.5, 9, 9.5, 10	250
69	PH Test Kit	AE316*	6, 6.4, 6.6, 6.8, 7, 7.2, 7.6, 7.4, 7.8, 8.0, 8.2, 8.4, 8.8, 9.0	500
70	PH Test Kit	AE326*	7.4, 7.6, 7.8, 8.0, 8.2, 8.4, 8.8, 9.0	500
71	Phosphate Test Kit	AE301*	0, 2.5, 5, 10,20, 30, 40, 50 PPM	500
72	Phosphate Test Kit	AE311*	0.1, 0.2, 0.5, 1.0, 2.5, 5.0, 7.5, 10 PPM	500
73	Phosphonate Test Kit	AE401	5 - 100 & 25 - 500 PPM (Mg/L)	300
74	Phosphonate Test Kit	AE411	2-40 & 5-100 PPM (Mg/L)	300
75	Silica Test Kit	AE302*	5, 10, 20, 40, 60, 80 PPM	500
76	Silica Test Kit	AE312*	0.0, 0.01, 0.025, 0.05, 0.075, 0.1 PPM	100
77	Silica Test Kit	AE322*	0.05, 0.1, 0.2, 0.4, 0.8, 1.5, 3, 5 PPM	100
78	Silica Test Kit	AE332*	75, 100, 125, 150, 175, 200 ppm	200
79	Sulphate Test Kit	AE209	10 - 200 & 50 - 1000 PPM (Mg/L)	300
80	Sulphate Test Kit	AE219	5 - 100 & 25 - 500 PPM (Mg/L)	300
81	Sulphite Test Kit	AE206	5 - 100 PPM (Mg/L)	300
82	Sulphite Test Kit	AE216	5 - 100 PPM (Mg/L)	300
83	Tannin Test Kit	AE2TN	5 - 100 & 25 - 500 PPM (Mg/L)	300
84	Total Chlorine Test Kit	AE235	0.1 - 2.0 PPM (Mg/L)	300
85	Total Chlorine Test Kit	AE245	0.2 - 4.0 PPM (Mg/L)	300
86	Turbidity Test Kit	AE300*	1, 5, 10, 20, 25 PPM	NA
87	Zinc Test Kit	AE305*	0, 0.1, 0.25, 0.5, 1.0, 2.5, 5.0, 7.5 PPM	300
88	Swimming Pool Test Kit	AE105*	pH- 6.5, 7.0, 7.5, 8.0, 8.5, 9.0 / Chlorine- 0.5, 1.0, 2.0, 3.0, 4.0, 5.0 PPM	1000

Note: Product marked (*) are based on Colour Comparison Method & all others products are Drop Titration Method based.

AQUASOL Range

Sr	Product Code	Parameters	Product Range	No. of Tests
1	**AE101** COOLING WATER TEST KIT	Total Hardness	2-40, 5-100, 25-500 PPM (MG/L)	200 Each
		Calcium Hardness	5-100 PPM (MG/L)	
		Alkalinity	10- 200 & 100-2000 PPM (MG/L)	
		Chloride	10-200 & 50-1000 PPM (MG/L)	
		pH	4 to 10	
		Iron (Dissolved)	0 - 2.0 PPM (MG/L)	
		Silica	5 - 80 PPM (MG/L)	
		Phosphate	0 - 40 PPM (MG/L)	
		Free Chlorine	0.1-2.0 PPM (MG/L)	
2	**AE102** BOILER WATER TEST KIT	Total Hardness	2-40, 5-100, 25-500 PPM (MG/L)	200 Each
		Calcium Hardness	5-100 PPM (MG/L)	
		Alkalinity	10- 200 & 100-2000 PPM (MG/L)	
		Chloride	10-200 & 50-1000 PPM (MG/L)	
		pH	4 to 10	
		Iron (Dissolved)	0 - 2.0 PPM (MG/L)	
		Silica	5 - 80 PPM (MG/L)	
		Phosphate	0 - 40 PPM (MG/L)	
		Sulphite	5-100 PPM (MG/L)	
3	**AE103** DRINKING WATER TEST KIT	pH	4 to 10	200 Each
		Turbidity	1 to 25 as NTU	
		Total Hardness	10 - 200 & 50-1000 PPM (MG/L)	
		Chloride	10-200 & 50-1000 PPM (MG/L)	
		Free Chlorine (DPD)	0.1-2.0 PPM (MG/L)	
		Iron (Dissolved)	0 - 2.0 PPM (MG/L)	
		Fluoride	0.1 - 2.0 PPM (MG/L)	
		Nitrate	0.5 - 50 PPM (MG/L)	
		Alkalinity	10-200 & 100-2000 PPM (MG/L)	
4	**AE104** RO WATER TEST KIT	pH	4 to 10	200 Each
		Total Hardness	2-40, 25-500 PPM (MG/L)	
		Calcium Hardness	5-100 PPM (MG/L)	
		Silica	5, 10, 20, 40, 60, 80 PPM (MG/L)	
		Sulphate	10-200, 50-1000 PPM (MG/L)	
		Iron (Dissolved)	0 - 2.0 PPM (MG/L)	
		Nitrate	0.5-50 PPM (MG/L)	
		Nitrite	0.025-0.8 PPM (MG/L)	
5	**AE106** PURIFIED WATER (IP) TEST KIT	Acidity & Alkalinity	All are Limit Tests	100 Each
		Magnesium & Calcium		
		Ammonium		
		Sulphate		
		Chloride		
		Heavy Metal as Pb		

AQUASOL Range

Sr	Product Code	Parameters	Product Range	No. of Tests
6	**AE107** METAL WORKING FLUID TEST KIT	Total Hardness	2-40, 5-100,25-500 PPM (MG/L)	200 Each
		Chloride	10-200 & 50-1000 PPM (MG/L)	
		pH	4—10	
7	**AE108F** AQUACULTURE FRESH WATER TEST KIT	pH	6.0 - 7.6 & 7.4 - 9.0	100 Each
		Ammonia	0.25 - 8.0 PPM (MG/L)	
		Nitrate	5 - 160 PPM (MG/L)	
		Nitrite	0.25 - 5.0 PPM (MG/L)	
8	**AE108S** AQUACULTURE SALT WATER TEST KIT	pH	7.4 - 9.0	100 Each
		Ammonia	0.25 - 8.0 PPM (MG/L)	
		Nitrate	5 - 160 PPM (MG/L)	
		Nitrite	0.25 - 5.0 PPM (MG/L)	
9	**AE118F** AQUACULTURE FRESH WATER TEST KIT	pH	6.0 - 7.6 & 7.4 - 9.0	200 Each
		Ammonia	0.25 - 8.0 PPM (MG/L)	
		Nitrate	5 - 160 PPM (MG/L)	
		Nitrite	0.25 - 5.0 PPM (MG/L)	
		DO	0.5 - 8.0 PPM (Mg/L)	
10	**AE118S** AQUACULTURE SALT WATER TEST KIT	pH	6.0 - 7.6 & 7.4 - 9.0	200 Each
		Ammonia	0.25 - 8.0 PPM (MG/L)	
		Nitrate	5 - 160 PPM (MG/L)	
		Nitrite	0.25 - 5.0 PPM (MG/L)	
		DO	0.5 - 8.0 PPM (Mg/L)	
11	**AE109** CONSTRUCTION WATER TEST KIT	Calcium Hardness	25 – 500 PPM (MG/L)	200 Each + AMPPH + AMPEC
		Chloride	10 – 200, 50 – 2000 PPM (MG/L)	
		Acidity	10 – 200, 50 – 1000 PPM (MG/L)	
		Alkalinity	10 – 200, 50 – 1000 PPM (MG/L)	
		Sulphate	10 – 200 PPM (MG/L)	
		pH	0 - 14 (PH Meter : AMPPH)	
		TDS / Conductivity	0 – 9990 PPM (MG/L) (TDS Meter : AMPEC)	
12	**AE110** SOIL TEST KIT (10 Test each)	pH	4—10	10 Each
		Nitrogen	<4, 4-10, 10 -20, 20-40, >50 Kg/ha as N	
		Phosphorous	<25, 25-60, 60 - 80, > 80 Kg/ha as P_2O_5	
		Potassium	0, <125, 125-250, 250-400, >400 Kg/ha as K	
		Organic Carbon	< 0.4 % / 0.4 -0.8 % / > 0.8 % w/v	
13	**AESTK** SOIL TEST KIT (25 Test each)	pH	4—10	25 Each
		Nitrogen	<4, 4-10, 10 -20, 20-40, >50 Kg/ha as N	
		Phosphorous	<25, 25-60, 60 - 80, > 80 Kg/ha as P_2O_5	
		Potassium	0, <125, 125-250, 250-400, >400 Kg/ha as K	
		Organic Carbon	< 0.4 % / 0.4 -0.8 % / > 0.8 % w/v	
14	**AESPK** SWIMMING POOL TEST KIT	Free Chlorine (DPD)	0.1–2.0 PPM (MG/L)	200 Each + 6 Coliform Test
		pH	4 to 10	
		Microbiological Test	Coliform Bacteria Presence / Absence Test	

AQUASOL INDICATOR PAPER

Indicator Paper Testing have been developed with a mixture of several indicators, which on contact with the sample solution assume a particular color. A check against the color comparision table supplied allows the parameter to be determined. AQUASOL range offers a range of pH indicator and other test papers to meet your specific testing needs. Our AQUASOL Indicator Paper combine ease-of-use with accuracy, consistency and unmatched quality. The convenience of using AQUASOL Indicator Paper for the rapid determination of pH and other parameters has many applications in laboratories and industry.

Features :

- Instant Readings
- Economical Pack Size
- In Kangaroo Pack
- Accurate for a Wide Range
- Convenient and Portable
- Advance Paper with Long Life



Sr	Product Code	Product Description	Each Pack Contains
1	AIPPH01	INDICATOR PAPER UNIVERSAL -pH 1.0-14.0	10 Booklet of 20 Strips
2	AIPPH02	INDICATOR PAPER WIDE RANGE - pH 2.0-10.5	10 Booklet of 20 Strips
3	AIPPH03	INDICATOR PAPER NARROW RANGE- pH 2.0-4.5	10 Booklet of 20 Strips
4	AIPPH04	INDICATOR PAPER NARROW RANGE-pH 3.5-6.0	10 Booklet of 20 Strips
5	AIPPH06	INDICATOR PAPER NARROW RANGE-pH 5.0-7.5	10 Booklet of 20 Strips
6	AIPPH07	INDICATOR PAPER NARROW RANGE-pH 6.5-9.0	10 Booklet of 20 Strips
7	AIPPH08	INDICATOR PAPER NARROW RANGE- pH 8.0-10.5	10 Booklet of 20 Strips
8	AIPBTB	INDICATOR PAPER BTB (BROMO THYMOL BLUE)	10 Booklet of 20 Strips
9	AIPCL	INDICATOR PAPER CHLORINE TEST (5 - 100 PPM)	10 Booklet of 20 Strips
10	AIPCR	INDICATOR PAPER CONGO RED	10 Booklet of 20 Strips
11	AIPBY	INDICATOR PAPER BRILLIANT YELLOW	10 Booklet of 20 Strips
12	AIPLB	INDICATOR PAPER LITMUS BLUE	10 Booklet of 20 Strips
13	AIPLR	INDICATOR PAPER LITMUS RED	10 Booklet of 20 Strips
14	AIPPE	INDICATOR PAPER PHENOLPHTHALEIN	10 Booklet of 20 Strips
15	AIPSI	INDICATOR PAPER STARCH IODIDE	10 Booklet of 20 Strips
16	AIPTH	INDICATOR PAPER THYMOLPHTHALEIN	10 Booklet of 20 Strips

NOTE: Product Supplied in Multiples of 5 Packs only.

BACTASLYDE®

Detect Bacteria Easily
~~Anytime~~... ~~Anywhere~~...









BACTASLYDE is a quick, easy & economical technique of monitoring bacteria in liquids , solids and also on surfaces. It is used virtually in any industry by engineers, water treatment professionals and facilities management specialists to make bacteria testing quick and easy. BACTASLYDE is regularly used worldwide for monitoring microbiological contamination and has been found to be reliable as it compares well with conventional microbiological techniques. BACTASLYDE is extremely easy and can be used even by a non technical person at site very effectively as it does not require any laboratory or additional equipment. It is an economical & no capital investment is required. BACTASLYDE helps to improve efficiency, prolong equipment life and reduce breakdowns.

- **Extremely Easy and Quick**
- **No Need of Incubator**
- **Microbiology Laboratory Not Required**
- **No Capital Investments**
- **Can Be used by Non Technical Person**
- **DIY On Site Test**
- **Quick and Accurate Results**
- **Tested by National Laboratories**

BACTASLYDE® DIP SLIDE TEST KIT



BACTASLYDE is a presterilized plastic paddle coated with specially developed proprietary media on each side for the growth of a variety of bacteria, yeasts & fungi. Its dual media enables you perform the Total Bacterial Count on one side and the specific bacteria species count on the other side at the same time in just 24 hours. BACTASLYDE has been found to be reliable and compares well with conventional microbiological techniques. Such slides are in regular usage, worldwide, for monitoring microbiological contamination. BACTASLYDE is supplied in a pack of 5 along with the complete instructions & a density chart for quantitative analysis of bacteria.

How to use BACTASLYDE® Dip Slide?

Step 1
Dip for 20-25 seconds. Use a clean container to hold the test material



Step 2
At room temperature (18-32°c) No need of an Incubator



Step 3
Match with Density Chart



BACTASLYDE® POUCH PACK TEST KIT



BACTASLYDE POUCH PACK is an easy to use test kit with specially developed media for various bacteria that will enable you perform a presence or absence test. Even one organism if not desired in the sample material can be tested and analyzed. Its enables you to perform onsite bacteria tests & can be used virtually in any industry. BACTASLYDE has been found to be reliable and compares well with conventional microbiological techniques. Such Pouch Tests are in regular used, worldwide, for monitoring microbiological contamination. Our ready to use Bacteria Test kit has media pouch with sterile container and supplied in a pack of 5 along with the complete instructions set.

How to use BACTASLYDE® Pouch Packs?

Step1
Pour Test Sample up to 100ml mark in the sterile bottle.



Step2
Cut open the & Pour the contents of into bottle.



Step3
Keep in a warm place for 18 to 24 hours & Observe the colour



BACTASLYDE Range

Sr	Product Code	Product Description	Application in Various Industries
1	BS101	(Yeast & Fungi + Total Bacteria Count) Test Kit	Food, Soft Drink & Ice-cream, Dairy, Breweries, Pharma, Hospitals, Paper & Pulp, Paint & Pigment, Metal Working Fluids.
2	BS102	(E.coli + Total Bacteria Count) Test Kit	Food, Soft Drink and Ice-cream, Pharma, Dairy, Water &Waste Water Treatment
3	BS103	(Pseudomonas + Total Bacteria Count) Test Kit	Food, Soft Drink and Ice-cream, Pharma, Dairy, Paper & Pulp, Paint & Pigment, Cooling Tower Water, Metal Working Fluids.
4	BS115	(Sulphate Reducing Bacteria) Kit	Paper & Pulp, Cooling Tower Water, Metal Working Fluids.
5	BS125	Algae Test Kit (Energy Source + 5 Test Media Pack)	Cooling Waters, Open Ponds, Fire / Guard Pond Water, Lakes.
6	BS130	Nitrifying / De-Nitrifying Bacteria Test Kit	Fertilizer Cooling Tower, Petrochemical Cooling Tower, any Closed System like Chiller, Refrigerators, Air Conditioner etc
5	BSPP1	Iron Oxidizing Bacteria Test Kit	Cooling Waters, Open Ponds, Water Outfalls from Pipelines, Metal Working Fluids.
6	BSPP2	Salmonella Species Test Kit	Food, Eggs, Egg Powder, Spices, Fisheries, Hospitals
7	BSPP3	Staphylococcus Aureus Species Test Kit	Food, Milk Products, Fresh Fish, Meat, Sauces, Canned Foods, Hospitals.
8	BSPP4	Vibrio Species Test Kit	Food, Fisheries, Processed Fish viz. Cooked deep frozen Prawns & Shrimps.

NOTE: 5 Tests can be performed in each pack

BACTASLYDE is a quick, easy & economical means of monitoring bacteria and is used virtually in any industry by engineers, water treatment professionals and facilities management specialists to make bacteria testing quick and easy. BACTASLYDE is regularly used worldwide for monitoring microbiological contamination and has been found to be reliable as it compares well with conventional microbiological techniques.

Dipslide Range

Quick Results

3 Easy Steps ► DIP ► INCUBATE ► READ



Total Bacterial Count (TBC) | TBC+ Pseudomonas | TBC+ Yeast & Fungi | TBC+ Escherichia Coli | Nitrate Reducing Bacteria (NRB) | Sulphate Reducing Bacteria (SRB)

BACTASLYDE is used in any liquid, solid, semi solid as well as on surfaces.

Pouch Pack Range

ISO 11133 Compliant Media

3 Easy Steps ► MIX ► INCUBATE ► READ



Vibrio Species | Iron Bacteria | Nitrifying Bacteria | Algae | Salmonella Species | Staphylococcus Aureus

BACTASLYDE is being used for more than 30 years in various industries

ChekNsee

Check & See The Water You Drink.



Power to see the Invisible Danger

Drinking Water Test

Water contaminated with bacteria is a major cause of water-borne disease in humans. Enteric diseases like diarrhoea, dysentery, typhoid, paratyphoid, gastroenteritis, cholera, etc. are caused by the tiny menaces viz bacteria.

Detecting these dangerous but unseen predators is quite a tough task. Normally it is the domain of the white coated microbiologist who works amidst sterile conditions and a lot of hush hush secrecy.

No longer! Modern science has now made testing so easy and convenient.

No laboratory! No hassles!! No hush hush secrecy!!! Just ChekNsee!

ChekNsee tests a group of bacteria, which are found in sewage. They are present in the intestine of man and animal and are generally

Check your Water for harmful Bacteria easily.

Anytime... Anywhere...



ChekNsee helps to check water from all kinds of sources viz.

- Taps • Purifiers • Coolers • Storage Tanks
- Rivers • Ponds • Springs

This extremely simple and convenient test can be carried out by anybody, anywhere i.e.

- Homes • Offices • Factories • Shops
- Banks • Hospitals • Hotels • Schools

Do it yourself easily to check and see! Instructions for Use



1. Media Pouches & sterile bottle



2. Cut open both the pouches carefully



3. Pour water sample upto 100ml mark



4. Pour pouch contents into bottle

5. Keep in a warm place for 18 to 24 hours (No Need for Incubator)

6. Then observe the colour of liquid in bottle

Note: Conclude the result in 24 hours



If colour does not change, the Water is **Potable**



When colour changes to Yellow the Water is **Not Potable**

Sr	Product Code	Product Description	No. of Tests / Pack
1	CNC2	Drinking water Test Kit (Pack of 2)	2
2	CNC10	Drinking water Test Kit (Pack of 10)	10

AQUASOL DIGITAL

We bring complete Electrochemistry Solutions for all your applications with a wide range of digital testing instruments. These instruments are designed and developed by professionals using advanced technologies in compliance with international standards. We have an extensive range of instruments for electrochemical measurements for a variety of applications including food, agriculture, wastewater treatment, industrial processes, environmental monitoring and research and development. All our instruments are factory calibrated and are ready to use out of the box. However, after prolonged usage, recalibration is recommended using a commercial standard solution. Get in touch with us for your requirements and let us bring our knowledge & experience in the field of testing, to help you solve your application needs.

Handheld Meters



Our portable hand held testers are, waterproof and dustproof meters that float if dropped in liquid. These meter's have an IP 57 rating for protection against solid objects or liquids & are encased in a protective carrying pouch for safety and portability. A large, upright, LCD screen affords clear viewing, while a protective cap helps to reduce contamination. A silicone O-ring ensures tight closure and thus ease of electrode module replacement.



Features :

- Microprocessor based Fast, Reliable and Accurate measurement.
- Replaceable Electrode Module.
- Waterproof Impact resistant ABS case (IP 57).
- Large LCD display for reading convenience.
- Easy Calibration.
- Available in a portable pouch.
- Manufacturer Warranty for 6 Months.

Technical Details:

Parameter	pH	Conductivity		TDS		ORP
Model	AMPH01	AMCOND01	AMCOND02	AMTDS01	AMTDS02	AMORP01
Range	0 to 14	0 to 19990 µS/cm	0 to 1999 µS/cm	0 to 19990 PPM	0 to1999 PPM	± 1999 mV
Accuracy	± 1%	± 1%	± 1%	± 1%	± 1%	± 2%
Resolution	0.1 pH	10 µS/cm	1 µS/cm	10 PPM	1 PPM	1 mV
Power	3V x 2 Lithium Batteries CR2032					
Dimension	33.5 mm x 170 mm					
Weight	85g (Meter Only)					

Pen Type Meters

AQUASOL DIGITAL

Our range of portable Pen Type meters are an economical range of easy to use and reliable hand held pen type meters. An important feature of the testers is the compact single chamber design. The meter gives accurate readings with its Built-in temperature sensor and can be easily calibrated.

Features :

- Fast, Reliable and Accurate measurement
- Compact Single Chamber Design
- Built-in Temperature Sensor
- Auto Shut Off Function to Enhance Battery Life
- Hold Function for Ease of Read & Record
- Easy Calibration
- Available with Calibration Solutions



Technical Details :

Parameter	pH	TDS & Conductivity (EC)
Model	AMPPH	AMPEC
Range	0 to 14	0 to 9990 PPM & 0 to 9990 µs/cm
Resolution	0.1	1/10 PPM
Power	1.5V x 2 Lithium Batteries LR44	1.5V x 2 Lithium Batteries LR44
Accuracy	± 2% (4 to 10), ± 5% (<4 & >10)	± 2% (0 to 2000), ± 5% (> 2000)
Temperature	0 to 80 Deg C	0 to 80 Deg C
Dimension	35 mm x 155 mm	35 mm x 155 mm
Weight	55g	55g

ORP / Multi-Parameter - Pen Type Meters



Our Handheld Type economical meters give accurate readings in fluctuating temperatures and can be easily calibrated. An important feature of the testers is a replaceable electrode within a reusable tester body. These meters are cost effective and come with standard solution encased in a protective case for safety and portability.

Features :

- Fast, Reliable and Accurate measurement.
- Replaceable Electrode Module with built-inTemperature Sensor
- Auto Shut Off Function to Enhance Battery Life
- Hold Function for Ease of Read & Record
- Easy Calibration & available with Standard Solutions

Technical Details :

Model	AMPORP
Parameter	ORP
Range	-1000 mv to + 1000 mv
Resolution	1 MV
Power	1.5V x 3 Lithium Batteries LR44
Accuracy	± 2%
Temperature	0 to 80 Deg C
Dimension	183 x 37 x 37 mm
Weight	90 g

Model No	AMPAL			
Parameter	pH	Conductivity	TDS	Temp
Range	0.00 to 14.00	0 to 19990 µS/cm	0 to 9999 PPM	0 to 110 Deg C
Resolution	0.01 pH	1µS/cm	1PPM	0.1 Deg C
Accuracy	±1%	±2%	±2%	0.2 Deg C
ATC	0 - 80 Deg C			
Power	1.5V x 3 Lithium Batteries LR44			
Dimension	183 x 37 x 37 mm			
Weight	90 g			

DO Hand Held Meters



Our unique designed and engineered DO meters are handheld, waterproof and dustproof that float if dropped in liquid. The compact design and technology helps to measure Dissolved Oxygen / Oxygen Percentage very effectively at the same time. Testing with portable oxygen meters determines whether or not you have optimal dissolved oxygen levels necessary for good water quality. For accurate results this test should be performed on site. Our handheld type advance microprocessor based, fast and accurate DO/O_2 meter is ideal for such applications. These meters are cost effective and come encased in a protective carrying pouch for safety and portability.

Features:

- Microprocessor based for fast and accurate measurements.
- Large LCD display DO and Temperature readings simultaneously.
- Simple to calibrate by one keyboard and ATC.
- Memory with Data-hold and Max/Min and shows PTS after calibration.
- Easy to replace the DO probe module.

Technical Details :

Model	AMDO01		
Parameter	DO	O2	Temp
Range	0 to 20 mg/L	0 to 200%	0 to 90 Deg C
Accuracy	± 2%	± 2%	0.2 Deg C
Resolution	0.01	0.1	0.1
ATC	Yes (0 – 50 Deg C)		
Power	AAA DC 1.5V x 4 Batteries		
Dimensions	Meter: 195 x 40 x 36 mm, Box: 230 x 205 x 50 mm		
Weight	Meter with Battery: 150g , Gross: 800g		

Multi-Parameter Hand Held Meter



Our Multi-Parameter Meter is handheld, waterproof and dustproof. The compact design and technology helps to measure pH, Conductivity, TDS, Salt and Temperature at the same time. An important feature of the testers is a replaceable electrode within a reusable tester body. The microprocessor-based meter gives accurate readings in fluctuating temperatures and can be easily calibrated. These meters are cost effective and come encased in a protective carrying pouch for safety and portability.

Features :

- Microprocessor based fast, reliable and accurate measurements.
- Memory and Storage function.
- Weatherproof Case and compact Design.
- Large LCD display for reading convenience.

Technical Details :

Model No	AMAL01					
Parameter	pH	ORP* (Optional)	Conductivity	TDS	Salt	Temp.
Range	(-)2.00 to 16.00	± 1000 mV	0 to 100 mS/cm	0 to 66000 ppm	0 to 50 PPT	0 to 110 Deg C
Resolution	0.01 pH	1 mV	1µS/cm	1 PPM	1 PPM	0.1 Deg C
Accuracy	±1%	±1%	±2%	±2%	±2%	0.2 Deg C
Temp Compensation	Yes					
Power	AAA (1.5V) x 4 Batteries					
Dimension & Weight	42 x 33 x 183 mm | 160 g					
* Please order separate Electrode (AMSALE1) to measure ORP						

Portable Meters
For Chlorine & Turbidity

AQUASOL DIGITAL



Chlorine Meter



Turbidity Meter



COD Meter

To make on site testing easy and simple we have a specially designed portable meter which enables a user to analyse different water parameters on site with higher accuracy. The meter is supplied in a hard plastic case with all the accessories which are required to carry out test on site. These meters have a weatherproof case and are ultra light to carry on site. They are provided with large LCD display and advance memory storage functionalities.

Technical Details:

Parameter	Free Chlorine & Total Chlorine
Model	APCL01
Range	0 to 5 ppm
Resolution	0.01 ppm
Accuracy	± 1% for < 2 ppm & ± 3% for > 2 ppm
Response	< 5 seconds
Reagent Provided	AMSCLFC (250 Tests) + AMSCLTC (250 Tests) (Refill Pack also Available)
Power	AAA DC 1.5V x 4 Batteries
Dimension	70 x 135 x 65 mm
Weight	168 g

Features:

- ▶ Microprocessor based fast and accurate measurements.
- ▶ Spectrophotometric Method for Detailed Analysis.
- ▶ Suitable for Standard Vial Size
- ▶ Reagents & Standards Based on International Methods.
- ▶ Memory and Storage functions.
- ▶ 6 Months Warranty



Parameter	Turbidity
Model	APTB01
Range	0 - 1000 NTU
Resolution	0.01 to 1 NTU
Accuracy	± 3% for < 500 NTU & ± 5% for > 500 NTU
Response	< 5 seconds
Standards Provided	0, 20, 100, 800 NTU (Refill Pack also Available)
Power	AAA DC 1.5V x 4 Batteries
Dimension	70 x 135 x 65 mm
Meter Weight	168 g

Parameter	COD (Chemical Oxygen Demand)
Model	APCODM1
Range	Low: 3 - 150 mg/l Medium: 20 - 1500 mg/L High: 200 - 15000 mg/L
Accuracy	± 3% of FS < 1500 mg/L and ± 5% of FS > 1500 mg/L
Response	< 5 seconds
Wavelenght	420 - 610 nm
Power	AAA DC 1.5V x 4 Batteries
Dimension	70 x 135 x 65 mm
Meter Weight	168 g

COD Vials

COD Digestion Vials



For easy and simple on site testing of COD (Chemical Oxygen Demand), we have a specially designed ready to use COD Vials. Our COD Vials is based on digest closed micro reflux COD measurement according to Standard Method (ISO 15705:2002) and also helps meet US EPA standards. It makes the process of COD Testing easier and safer than traditional open reflux titrimetric method. These vials are of standard size 16 X 100 MM that are compatible for testing COD with COD Analyzer from all leading brands.

Features :

- Standard Vial Size (16MM)
- Complies to ISO and EPA Standards
- Compatible with COD Analyzer from leading brands
- Based on closed micro reflux measurement
- Available in Wide Range (Upto 15000 mg/l)
- Economical Refill Pack available for COD Vial Refill.

Technical Details :

COD Vial Range (Vials with Reagent)						
Model No	**APCODV1**	**APCODV2**	**APCODV3**	**APCODV11**	**APCODV22**	**APCODV33**
Range	0 - 150 mg/l	0 - 1500 mg/l	0 - 15000 mg/l	0 - 150 mg/l	0 - 1500 mg/l	0 - 15000 mg/l
No of Vials / Pack	25 Vials	25 Vials	25 Vials	150 Vials	150 Vials	150 Vials

COD Refill Pack (Reagent Refill only)			
Model No	APCODR1	APCODR2	APCODR3
Range	0 - 150 mg/l	0 - 1500 mg/l	0 - 15000 mg/l
No of Refill Tests	100 Tests	100 Tests	100 Tests

Portable Meters

Digestor



For easy and simple on site testing of COD (Chemical Oxygen Demand), we have a specially designed COD Digestor which helps in COD digestion process. Our COD reactor is used to digest closed micro reflux COD vial according to Standard Method and helps meet USEPA standards. It makes the process of COD Testing easier and safer than traditional open reflux titrimetric method.

Features :

- Microprocessor based fast, reliable and accurate
- Suitable for Standard Vial Size
- Predefined COD Program with Timer
- Additional Heating Programs available
- Auto Off and Alarm Functions
- Aluminum heating block with 12 vial capacity
- 6 Months Warranty *

Technical Details :

Parameter	COD Digestor / Dry Bath Incubator
Model	APCODDG1
Range	5 TO 150 Deg C
Number of Blocks	12 Holes (Suitable for 16 MM Vials)
Stability	0.5 Deg C
Time Range	1 Min - 99H 59Min
Power	240V AC 50 HZ (165W)
Dimension	152 x 86 x 190 MM
Meter Weight	2500 G

Magnetic Stirrer

Stirrer

Our Stirrer is a compact, high-performance laboratory instrument designed for precise and uniform mixing of liquids. Built with advanced brush less motor technology and intelligent speed control, it ensures smooth, silent, and maintenance-free operation. Engineered for reliability and accuracy, this stirrer is ideal for applications in analytical laboratories & water testing, research and educational labs. Its robust construction and user-friendly interface make it suitable for continuous operation in demanding environments.





Features :

- •Compact & Space-Saving Design
- •Wide Speed Range
- •Brushless DC Motor
- •Strong Magnetic Coupling
- •Non-Slip Base & Stable Operation
- •6 Months Warranty *

Technical Details :

Parameter	Magnetic Stirrer
Model	ASM3000
Capacity	3000 ML (Max)
Speed Range	200 - 2000 RPM
Motor	Brush Less Motor
Plate Size	125 x 125 MM
Power	240V AC 50 HZ
Meter Weight	500 G

Standard Solution

pH / Conductivity / ORP / Turbidity

We offer a wide selection of calibration and buffer solutions. All our calibration and buffer solutions are bottled in our stateoftheart solution facility and comply with National and International standards. These solutions are available in a convenient and economical packing with our certification.

PH Standard Solutions

Code	Range	Quantity
AMB5PH4	pH 4.00	500 ml
AMB5PH7	pH 7.00	500 ml
AMB5PH10	pH 10.00	500 ml
AMB5PH1	pH 1.68	500 ml
AMB5PH6	pH 6.86	500 ml
AMB5PH9	pH 9.18	500 ml
AMB5PH12	pH 12.45	500 ml
AMB1PH4	pH 4.00	100 ml
AMB1PH7	pH 7.00	100 ml
AMB1PH10	pH 10.00	100 ml
AMB1PHE	pH Electrode Storage	100 ml

Conductivity Standard Solutions

Code	Range	Quantity
AMB5C1	1413 µs/cm	500 ml
AMB5C2	12.88 ms/cm	500 ml
AMB5C3	84 µs/cm	500 ml
AMB5C4	100 µs/cm	500 ml
AMB5C5	500 µs/cm	500 ml
AMB5C6	2764 µs/cm	500 ml
AMB5C7	5 ms/cm	500 ml
AMB5C8	111.88 ms/cm	500 ml
AMB1C1	1413 µs/cm	100 ml

Turbidity Standard Solutions

Code	Range	Quantity
AMB1T0	0 NTU	100 ml
AMB1T10	10 NTU	100 ml
AMB1T20	20 NTU	100 ml
AMB1T50	50 NTU	100 ml
AMB1T100	100 NTU	100 ml
AMB1T200	200 NTU	100 ml
AMB1T400	400 NTU	100 ml
AMB1T500	500 NTU	100 ml
AMB1T800	800 NTU	100 ml
AMB1T1000	1000 NTU	100 ml
AMB1T2000	2000 NTU	100 ml
AMB1T4000	4000 NTU	100 ml

ORP Standard Solutions

Code	Range	Quantity
AMB1ORP	475 MV	100 ml
AMB5ORP	475 MV	500 ml
AMB5OR2	228 MV	500 ml

DO Meter Solutions

Code	Range
AMB1DOZ	DO Zero Solution
AMB1DOE	DO Electrolyte Solution



100 ml



500 ml

COD Standard Solutions

Code	Range	Quantity
AMB1D100	100 PPM	100 ml
AMB1D500	500 PPM	100 ml
AMB1D1000	1000 PPM	100 ml
AMB1D5000	5000 PPM	100 ml
AMB1D10000	10000 PPM	100 ml

Table Top Meters

pH / Conductivity / TDS / ORP / DO

AQUASOL DIGITAL

To analyse parameters like pH, ORP, DO, Conductivity & TDS in industries we have specially developed reliable, accurate and economical Table Top meters. These meters large screens which enhances the measuring performance and provides accurate readings. The meters have multi parameter options i.e. same meter can analyse different parameters by just changing an electrode. All meters are advanced microprocessor based with rugged housing & splash proof keyboard. It has a optional stirrer option available for specific applications.



Features :

- Microprocessor based Compact Design
- Economical with Splash proof keyboard
- Stable Platform with Electrode holder
- 5 Point Calibration for pH
- MultiPoint Cond. Calibration
- Built in ATC
- Optional Built In Stirrer Model
- Storage/Memory function.
- 12 Months Warranty

Technical Details :

Model	ABT201 - Table Top pH / ORP Meter		
Parameter	**pH**	**ORP***	**Temp**
Range	(-)2.00 to 16.00	± 1999 mV	0 to 100 Deg C
Accuracy	±1%	±2%	±0.2
Resolution	0.01 pH	1 mV	0.1 Deg C
ATC (Yes)	0 to 100 Deg C		
Weight & Dimension	240 × 170 × 80 mm (1500 Gms)		
Sensor (Default)	PH and Temp Sensor is provided. For ORP buy separate electrode.		

Model	ABT202 - Table Top TDS / Conductivity Meter			
Parameter	**Conductivity**	**TDS**	**Salinity**	**Temp**
Range	0.0 to 100 mS/cm	0.0 to 66.0 PPT	0.0 to 66.0 PPT	0 to 100 Deg C
Accuracy	1%	1%	1%	±0.2
Resolution	1 uS/cm	1 PPM	1 PPM	0.1 Deg C
ATC (Yes)	0 to 100 Deg C			
Weight & Dimension	240 × 170 × 80 mm (1500 Gms)			
Sensor (Default)	TDS/Conductivity and Temp Sensor is provided along with meter.			

Model	ABT203 - Table Top pH / ORP / TDS / Conductivity Meter					
Parameter	**pH**	**ORP***	**Conductivity**	**TDS**	**Salinity**	**Temp**
Range	(-)2.00 to 16.00	± 1999 mV	0.0 to 100 mS/cm	0.0 to 66.0 PPT	0.0 to 66.0 PPT	0 to 100 Deg C
Accuracy	1%	2%	1%	1%	1%	±0.2
Resolution	0.01 pH	1 mV	1uS/cm	1 PPM	1 PPM	0.1
ATC (Yes)	0 to 100					
Weight & Dimension	240 × 170 × 80 mm (1500 Gms)					
Sensors (Default)	pH , TDS and Temperature Sensor is provided. For ORP buy separate electrode.					

Model	ABT204 - Table Top DO Meter		
Parameter	**DO**	**O_2**	**Temp**
Range	0 - 20.00 PPM	± 1999 mV	0 to 100 Deg C
Accuracy	±2%	±2%	±0.2
Resolution	0.01 mg/L	1 mV	0.1 Deg C
ATC (Yes)	Yes		
Stirrer	Magnetic Stirrer provided		
Weight & Dimension	240 × 170 × 80 mm (1500 Gms)		
Sensor (Default)	DO and Temp Sensor is provided.		

Bench Top Meters

pH / Conductivity / TDS /ORP / DO

AQUASOL DIGITAL

To analyse parameters like pH, ORP, Conductivity & TDS in industries we have specially developed reliable, accurate and economical Table Top meters. These meters large screens which enhances the measuring performance and provides accurate readings. The meters have multi parameter options i.e. same meter can analyse different parameters by just changing an electrode. All meters are advanced microprocessor based with rugged housing & splash proof keyboard. It has a optional stirrer option available for specific applications.



Features :

- •Microprocessor based Compact Design
- •Large LCD Display with built in ATC
- •Stable Platform with Electrode holder
- •5 Point Calibration for pH
- •MultiPoint Cond. Calibration
- •USB Connectivity with Windows
- •Optional Built In Stirrer Model
- •Storage/Memory function.
- •12 Months Warranty

Technical Details :

Model	ABM401 - Bench Top pH / ORP Meter		
Parameter	pH	ORP*	Temp
Range	(-)2.00 to 16.00	± 1999 mV	0 to 100 Deg C
Accuracy	±1%	±2%	±0.2
Resolution	0.01 pH	1 mV	0.1 Deg C
ATC (Yes)	0 to 100 Deg C		
Weight & Dimension	240 × 170 × 80 mm (1500 Gms)		
Sensor (Default)	PH and Temp Sensor is provided. For ORP buy separate electrode.		

Model	ABM404 - Bench Top DO Meter		
Parameter	DO	O_2	Temp
Range	0 - 20.00 PPM	± 1999 mV	0 to 100 Deg C
Accuracy	±2%	±2%	±0.2
Resolution	0.01 mg/L	1 mV	0.1 Deg C
Stirrer	Magnetic Stirrer provided		
Weight & Dimension	240 × 170 × 80 mm (1500 Gms)		
Sensor (Default)	DO and Temp Sensor is provided.		

Model	ABM402 - Bench Top TDS / Conductivity Meter			
Parameter	Conductivity	TDS	Salinity	Temp
Range	0.0 to 100 mS/cm	0.0 to 66.0 PPT	0.0 to 66.0 PPT	0 to 100 Deg C
Accuracy	1%	1%	1%	±0.2
Resolution	1 uS/cm	1 PPM	1 PPM	0.1 Deg C
ATC (Yes)	0 to 100 Deg C			
Weight & Dimension	240 × 170 × 80 mm (1500 Gms)			
Sensor (Default)	TDS/Conductivity and Temp Sensor is provided along with meter.			

Model	ABM403 - Bench Top pH / ORP / TDS / Conductivity Meter					
Parameter	pH	ORP*	Conductivity	TDS	Salinity	Temp
Range	(-)2.00 to 16.00	± 1999 mV	0.0 to 100 mS/cm	0.0 to 66.0 PPT	0.0 to 66.0 PPT	0 to 100 Deg C
Accuracy	1%	2%	1%	1%	1%	±0.2
Resolution	0.01 pH	1 mV	1uS/cm	1 PPM	1 PPM	0.1
ATC (Yes)	0 to 100					
Weight & Dimension	240 × 170 × 80 mm (1500 Gms)					
Sensors (Default)	pH , TDS and Temperature Sensor is provided. For ORP buy separate electrode.					

Model	ABM405 - Bench Top pH / ORP / DO / TDS / Conductivity Meter							
Parameter	pH	ORP*	Conductivity	TDS	DO	O_2	Salinity	Temp
Range	(-)2.00 to 16.00	± 1999 mV	0.0 to 100 mS/cm	0.0 to 66.0 PPT	0 - 20.00 PPM	± 1999 mV	0.0 to 66.0 PPT	0 to 100 Deg C
Accuracy	1%	2%	1%	1%	±2%	±2%	1%	±0.2
Resolution	0.01 pH	1 mV	1uS/cm	1 PPM	0.01 mg/L	1 mV	1 PPM	0.1
ATC (Yes)	0 to 100							
Weight & Dimension	240 × 170 × 80 mm (1500 Gms)							
Stirrer	Magnetic Stirrer provided							
Sensors (Default)	pH , TDS and Temperature Sensor is provided. For ORP buy separate electrode.							

Online Meters

pH / Conductivity / TDS / ORP

AQUASOL DIGITAL

Monitoring of PH / ORP / TDS / Conductivity is commonly required in a wide variety of industries ranging from water, chemical, pharmaceutical, food processing etc. So our online range of meters helps to monitor the process PH / ORP / TDS / Conductivity /Temperature on continuous basis. These reliable, accurate and robust meters are designed with a compact housing which fits in standard industry panel with 1/16 DIN fitting. Also these meters can be easily calibrated and can display multiple parameters at the same time.

Features:

- ▶Microprocessor based for fast and accurate measurements.
- ▶ Weatherproof Case and Compact Design.
- ▶1/16 DIN Fitting on the standard industry panel
- ▶Large Backlight LCD Display
- ▶Easy to Calibrate by one keyboard
- ▶6 Months Warranty *

Technical Details:

Model No	AOPH01		
Parameter	pH	ORP	Temperature
Range	(-)2.00 to 16.00	± 1000 mV	0 to 90 Deg C
Accuracy	1%	2%	±0.2
Resolution	0.01 PH	1 mv	0.1 Deg C
Power	9V DC (2 Pin 230VAC Adaper Provided)		
Dimensions	45mm x 45mm x 110mm, Mounting: 1/16 DIN Panel Mount (Cut out Size : 45 x 45 mm)		
Meter Weight	Meter + Electrode 750g		
Sensor* (By Defualt)	AMEPHIGT - pH Industrial Electrode Connection: 3/4", Temp I/P: 30K Thermister, Material: Glass Sensor with PVC Housing. Lenght: 5M, Temperature Range: Upto 90 DegC Pressure Range: Upto 5kg/cm, 4 Wire		





Model No	AOTDS01		
Parameter	TDS	Conductivity	Temperature
Range	0 to 13000 PPM	0 to 20 mS/cm	0 to 90 Deg C
Accuracy	1%	1%	±0.2
Resolution	1ppm	1uS/cm	0.1 Deg C
Power	9V DC (2 Pin 230VAC Adaper Provided)		
Dimensions	45mm x 45mm x 110mm, Mounting: 1/16 DIN Panel Mount (Cut out Size : 45 x 45 mm)		
Meter Weight	Meter + Electrode 750g		
Sensor* (By Defualt)	AMECNIGT - Conductivity Industrial Electrode Connection: 3/4", Temp I/P: 30K Thermister, Material: Glass Sensor with PVC Housing. Lenght: 5M, Temperature Range: Upto 90 DegC Pressure Range: Upto 5kg/cm, 4 Wire		

Note: Any change in sensor model will be charged extra. Confirm sensor model before ordering.

Online Controller

pH / Conductivity / TDS / ORP

PH / ORP / TDS / Conductivity are the primary controlling parameters for any process used in a wide variety of industries ranging from water, chemical, pharmaceutical, food processing etc. Our online controllers are used to monitors these process parameters continuously and helps to take corrective action with its relay & current outputs. These reliable, accurate and robust meters are designed with a compact housing which fits in standard industry panel. Also these meters can be easily calibrated and can display multiple parameters at the same time.

Features:

- ▶Microprocessor based for fast and accurate measurements.
- ▶Weatherproof Case and Compact Design (IP 54)
- ▶Programmable Relay & 4 to 20mA Outputs
- ▶Programmable High & Low Alarm functions
- ▶1/4 DIN Fitting on the Standard Industry Panel
- ▶Galvanic separation between Input, Output & Supply
- ▶Auto Buffer Adjustment (ATC)

Technical Details:

Model No	AOCPH01		
Parameter	pH	ORP	Temperature
Range	0 to 14.00	± 2000 MV	0 to 100 Deg C
Accuracy	1%	2%	±0.2 DegC
Resolution	0.01 PH	1 mv	0.1 Deg C
Power Supply	220 VAC @ 50 Hz (Stabilized)		
Relay Output	2 Programmable Relay Outputs (Max: 250V/10A). For direct Valve/Pump Operation for Low and High Level Cutoff		
Current Output	4 to 20 mA Isolated DC Output (Max Load : 750 ¿). Analog Output for communication with Control System.		
Dimensions	Size: 96 × 96 × 110 mm, Mounting Details: 1/4 DIN Panel Mount (Cut out Size : 92 x 92 mm)(Depth: 110 mm)		
Sensor* (By Defualt)	AMEPHIGP - pH Industrial Electrode Process Connection: 3/4", Temp I/P: PT 100, Material: Glass Sensor in PVC Housing. Dimensions: 28 x 165 mm, Lenght: 5M, Temp Range: Upto 90 DegC, Max Pressure: 5kg/cm2		





Model No	AOCTDS01		
Parameter	TDS	Condutivity	Temperature
Range	0 to 10000 PPM	0 to 100 mS/cm	0 to 100 Deg C
Accuracy	1%	1%	±0.2 DegC
Resolution	1 PPM	1 µS/cm	0.1 Deg C
Power Supply	220 VAC @ 50 Hz (Stabilized)		
Relay Output	2 Programmable Relay Outputs (Max: 250V/10A). For direct Valve/Pump Operation for Low and High Level Cutoff		
Current Output	4 to 20 mA Isolated DC Output (Max Load : 750 ¿). Analog Output for communication with Control System.		
Dimensions	Size: 96 × 96 × 110 mm, Mounting Details: 1/4 DIN Panel Mount (Cut out Size : 92 x 92 mm)(Depth: 110 mm)		
Sensor* (By Defualt)	AMECNIGP - Conductivity Industrial Electrode Cell Constant K=1, Process Connection: 3/4", Temp I/P: PT 100, Material: Glass Sensor in PVC Housing. Dimensions: 28 x 165 mm, Lenght: 5M, Temp Range: Max 90 DegC, Max Press: 5kg/cm2		

Note: Any change in sensor model will be charged extra. Confirm sensor model before ordering.

Laboratory Electrodes

pH / Conductivity / TDS / ORP

AQUASOL DIGITAL

Measurement of parameters like pH, TDS, Conductivity, ORP etc in laboratory are regularly performed in major industries, thus we provide an economical, accurate and reliable Laboratory electrodes. These electrodes are specially designed with high performance plastic body for precise measurement and they are compatible with all the major meters and Indicators. These electrodes can also be installed on measured surface or devices using a unique designed ½" NPT connector available with us.

Features :

- High accuracy with stable measurement performance
- Fast response and excellent sensitivity
- Durable chemical-resistant body construction
- Low maintenance with long operational life
- Compatible with most standard laboratory meters

pH Laboratory Electrode

Model	AMEPHLG	AMEPHLE
Range	0 to 14	0 to 14
Built in Temp. Sensor	No	No
Operating Temperature	Upto 90 Deg C	Upto 70 Deg C
Body Material	Glass	Plastic
Process Connection	Laboratory	Laboratory
Meter Connection	BNC	BNC
Dimensions (D x H)	12 x 120 mm	12 x 120 mm
Cable Length	1M	1M





ORP Laboratory Electrode

Model	AMEORLG	AMEORLE
Range	± 2000 mv	± 2000 mv
Built in Temp. Sensor	No	No
Operating Temperature	Upto 90 Deg C	Upto 70 Deg C
Body Material	Glass	Plastic
Process Connection	Laboratory	Laboratory
Meter Connection	BNC	BNC
Dimensions (D x H)	12 x 120 mm	12 x 120
Cable Length	1M	1M

Conductivity Laboratory Electrode

Model	AMECNLG	AMECNLE
Cell Constant 'K'	K = 1	K = 1
Built in Temp. Sensor	No	No
Operating Temperature	Upto 90 Deg C	Upto 70 Deg C
Body Material	Glass	Plastic
Process Connection	Laboratory	Laboratory
Meter Connection	BNC	BNC
Dimensions (D x H)	12 x 120 mm	12 x 120 mm
Cable Length	1M	1M



Laboratory Electrodes

pH / Conductivity / TDS / ORP

AQUASOL DIGITAL

We understand the need for continuous monitoring of parameters like pH, TDS, Conductivity, ORP etc in major industries, thus we provide economical, accurate and reliable industrial electrodes. These electrodes are specially designed for online monitoring and they are compatible with all the major Indicators & Controllers.

Features :

- Advanced Protective Case Design
- Built In Temperature Sensor
- Sealed Double Junction Reference.
- High Performance Thermoplastic Body
- Convenient flow-through installation.
- Compatible with major meters

pH IndustrialElectrode

Model	AMEPHIG	AMEPHIGP	AMEPHIGT
Range	0 to 14	0 to 14	0 to 14
Built in Temp. Sensor	No	PT 100	30K Thermistor
Operating Temperature	Upto 100 Deg C		
Body Material	PVC		
Process Connection	3/4"		
Meter Connection	BNC		
Dimensions (D x H)	28 x 165 mm		
Cable Length	5M		



Conductivity IndustrialElectrode

Model	AMECNIG	AMECNIGP	AMECNIGT	AMECNOS	AMECNOSP	AMECNOST
Cell Constant 'K'	K = 1	K = 1	K = 1	K = 1	K = 1	K = 1
Built in Temp. Sensor	No	PT 100	30K Thermistor	No	PT 100	30K Thermistor
Operating Temperature	Upto 100 Deg C			Upto 100 Deg C		
Body Material	PVC			SS		
Process Connection	3/4"			3/4"		
Meter Connection	BNC			BNC		
Dimensions (D x H)	28 x 165			30 x 70		
Cable Length	5M			5M		



ORP Industrial Electrode

Model	AMEORIG	AMEORIGP	AMEORIGT
Range	± 2000 mv	± 2000 mv	± 2000 mv
Built in Temp. Sensor	NA	PT 100	30K Thermistor
Operating Temperature	Upto 100 Deg C		
Body Material	PVC		
Process Connection	3/4"		
Meter Connection	BNC		
Dimensions (D x H) mm	28 x 165		
Cable Length	5M		

Note:

Product Warranty for manufacturing defects only. Warranty Card filled with all details required to process claim.
Our products can be easily installed and used by following instruction as per product manual or on Phone support.
If still Site Visit for Installation or Service is required it will be charged extra as per requirement.

UDAAQ
COMPLETE WATER SOLUTIONS

We have in our repertoire a basket full of Water Treatment Chemical Formulations, manufactured to international quality standards for various applications. Our high performance chemical treatment products are used successfully in many of the industrial process environments where they help to reduce cost by improving the productivity & optimizing performance. Our range of formulations include water treatment chemicals for the following systems.

REVERSE OSMOSIS CHEMICALS



Reverse Osmosis (R.O.) is commonly used for desalination (demineralization) and purification of water as it proves economical in the long run. The performance of a R.O. system gets hampered due to impurities that build up on the membrane surface during operations. Suspended solids, microorganisms and mineral scale can foul membrane elements. These deposits can cause loss in output and/or rejection levels and reduce total system performance. Our formulations based on modern polymers help to greatly reduce deposits, impurities, and scale in your system's membranes. Our NSF Certified (NSF/ANSI 60) range of formulated Antiscalants, Antifoulants and Cleaners are specially designed chemicals that keep these contaminants from attaching to the membrane surface. They also prove economical in the long run.

R O ANTI-SCALANT (CERTIFIED TO NSF/ANSI 60)

Scaling is caused in membranes because the level of hardness salts in the water becomes highly concentrated as it passes through the RO unit. In smaller units scale formation can be prevented by base exchange softening the make-up water but for larger systems that is very expensive. We have developed a range of easy to handle, cost effective RO Antiscalant which increase the solubility of the hardness salts so they remain in solution rather than forming scale on the membrane. Our cost effective advance Polymer based RO antiscalants will inhibit a wide range of foulants including: calcium carbonate, calcium sulphate, barium sulphate, strontium sulphate, calcium fluoride, silica and iron.

Sr	Product Code	Product Description	Packing
1	WTRD305	For Moderate TDS & Low Silica Feed Water (NSF Certified)	5/20/35/50 Kgs
2	WTRD300	For Moderate TDS & Moderate Silica Feed Water (NSF Certified)	5/20/35/50 Kgs
3	WTRD310	For High TDS & Moderate Silica Feed Water (NSF Certified)	5/20/35/50 Kgs
4	WTRD320	For High TDS & High Silica Feed Water (NSF Certified)	5/20/35/50 Kgs

R O CLEANER (CERTIFIED TO NSF/ANSI 60)

Regular chemical cleaning of RO membranes will help to increase its performance and will extend its useful life. The main concern with cleaning is that it should be done before the situation gets too bad as then the membrane may become fouled and will have to replaced. Cleaning should be undertaken regularly after a predetermined interval.Our NSF Certified Cleaner are highly effective cleaning chemical which very effectively removes deposits including carbonate, silicate, sulphate, phosphate of Calcium, Barium, Strontium, scales, deposits including colloids and organic biofoulants

Sr	Product Code	Product Description	Packing
1	WTROC1600	Acidic Cleaner (NSF Certified)	5/20/35/50 Kgs
2	WTROC1800	Alkaline Cleaner (NSF Certified)	5/20/35/50 Kgs

R O BIOFOULING CLEANER (CERTIFIED TO NSF/ANSI 60)

Our micro biocide is highly effective against all type of biofilm including sessile & planktonic organisms. It helps to cleans organic debris and biofilm & keeps the membrane surface free from biofouling. Its Broad spectrum efficacy makes it compatible with tap water, brackish water, sea water & other chlorine resistance membranes.

Sr	Product Code	Product Description	Packing
1	WTROB700	Biofouling Cleaner (Isothiozoline Based)	5/20/35/50 Kgs
2	WTROB800	Biofouling Cleaner (Nano Silver & Hydrogen Peroxide Based) (NSF Certified)	5/20/35/50 Kgs
3	WTROB900	Biofouling Cleaner (DBNPA Based) (NSF Certified)	5/20/35/50 Kgs

PH BOOSTER (CERTIFIED TO NSF/ANSI 60)

The control of water pH and alkalinity levels is very important in order to reduce corrosion. Depending on the natural feed water alkalinity, it is often necessary to add an alkalinity builder in order to establish the correct water chemistry by raising the water pH which helps to protect the system from acid corrosion.

Sr	Product Code	Product Description	Packing
1	WTP200	To Increase pH in RO Water (NSF Certified)	5/20/35/50 Kgs

Note: 5KG packing supplied in multiples of 4 Cans (20KG) Only

BOILER CHEMICALS

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Primary function of a boiler is to transfer heat into water until it becomes hot or turns to steam. Boiler feed water often contains impurities, which impair boiler operation and efficiency. Therefore to improve feed water quality and steam purity Pretreatment and chemical treatment of the water is very important. To ensure boiler systems are correctly maintained and operate at optimum efficiency it is essential to carefully select the formulation. Our comprehensive range of high performance formulations have been scientifically formulated to deliver significant operational benefits and performance improvements. Our extensive range of formulated boiler water treatment chemicals help to minimize scale formation, metallic corrosion and sludge deposition. This helps to increase efficiency, reduce fuel consumption, decrease operating and maintenance costs and extend equipment lifetime.

BOILER MULTIPURPOSE – SCALE, CORROSION INHIBITOR & SLUDGE CONDITIONER (CERTIFIED TO NSF)

Our multipurpose boiler water treatment chemicals have been designed to offer multi-component boiler protection in a single chemical product. It is a special product designed to prevent scale and corrosion on the waterside surfaces of medium-and-low pressure boilers using unsoftened feed water. It is a combination of modern water treatment chemicals comprising of chemical softening agents, sludge conditioners and oxygen scavenger which protect the feed lines and the boiler form scale and corrosion. This brings convenience of using a single chemical treatment product, with multifunctional protection capabilities to deliver all-round boiler protection.

Sr	Product Code	Product Description	Packing
1	WT1010	For Fire Tube Boiler	35KG/50KG
2	WT1020	For Water Tube Boiler	35KG/50KG

BOILER WATER - OXYGEN SCAVENGER / CORROSION INHIBITOR (CERTIFIED TO NSF)

Metallic corrosion due to oxygen is a major concern in the operation and maintenance of industrial boiler systems and steam plants. Oxygen derived from boiler water will corrode metallic components leading to increased maintenance costs and reduced boiler efficiency. Our specially formulated oxygen scavenger helps in rapid and complete removal of dissolved oxygen form feed water and boiler water. It is an instant oxygen scavenger & normal reaction time with oxygen is only 15 to 20 second at ambient temperatures.

Sr	Product Code	Product Description	Packing
1	WT3010	Sulphite Based (NSF Certified)	35KG/50KG
2	WT3030	Hydrazine Based	35KG/50KG

BOILER WATER - SLUDGE CONDITIONER (CERTIFIED TO NSF)

Boiler water sludge is caused by salts and traces of suspended matter present in operational steam boilers and feed waters. Our boiler sludge conditioner is designed to combat the accumulation and build-up of boiler sludge. It is a polymer ans phosphonate based formulation designed to produce light, finely divided particles which are non-adherent and are easily removed with blow down.

Sr	Product Code	Product Description	Packing
1	WT2110	To Prevent Sludge Deposites	35KG/50KG

BOILER WATER - ANTISCALANT

Our Boiler Water Antiscalant increases the solubility of the hardness salts so they remain in solution rather than forming scale on the Boiler Surface. Our cost effective advance Polymer based antiscalants will inhibit a wide range of foulants and can withstand high temperature, pressure and does not impart taste or odour to steam.

Sr	Product Code	Product Description	Packing
1	WT2200	To Prevents Scale Deposits	35KG/50KG

BOILER WATER - PH BOOSTER (CERTIFIED TO NSF)

The control of water pH and alkalinity levels is very important in low- and medium-pressure boilers to reduce corrosion. Our unique formulation is an all-in-one precise blend of alkalinity builder, softening agent and synthetic organic sludge conditioner. It helps to protect your boiler system from acidic corrosion as it is designed specifically for low hardness softened water and demineralized Water.

Sr	Product Code	Product Description	Packing
1	WT1462	To Increase PH in Boiler System	35KG/50KG

BOILER CONDENSATE WATER - NEUTRALIZING AMINE (CERTIFIED TO NSF)

Condensate systems have problems caused by iron and copper corrosion, neutralizing amines are used to neutralize the acid (H+) generated in the condensate. They control corrosion in the condensate system by maintaining a protective coating of iron oxide over the metal surfaces, while supplying sufficient material of an alkaline nature, to neutralize the carbonic acid that is formed in the condensate.

Sr	Product Code	Product Description	Packing
1	WTR101	For Condensate System pH Control	35KG/50KG

BOILER WATER - SOFTENING AGENT (CERTIFIED TO NSF)

Our softening agents treat incoming boiler water hardness by sequestering both calcium and magnesium from the feed water preventing its premature deposition & scale formation. We recommend its use with sludge conditioners and dispersants, antifoam and oxygen scavengers to provide more effective treatment.

Sr	Product Code	Product Description	Packing
1	WT4010	Phosphate Based Softner	35KG/50KG

COOLING TOWER CHEMICALS

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Industrial cooling systems are required to function smoothly. Therefore it is essential that correct cooling water conditions are established and maintained at all times. To ensure cooling systems are correctly maintained and operate at optimum efficiency it is essential to carefully select cooling water treatment chemicals. Our comprehensive range of high performance cooling water treatment chemicals have been scientifically formulated to deliver significant operational benefits and performance improvements to cooling systems that use water as a primary coolant. Our wide range of formulations help to minimize scale, corrosion, fouling and biofouling to ensure trouble free operation of the system.



COOLING MULTIPURPOSE: ANTISCALANT, CORROSION INHIBITOR AND DISPERSANT (CERTIFIED TO NSF)

Our multipurpose organic corrosion and scale inhibitor is designed for use in industrial cooling systems. It is composed of ingredients that are biodegradable and contains no zinc or heavy metal components. It functions by forming a microscopic inhibitive film on the metal surface that acts as a barrier to prevent or minimize corrosion. It also contains effective polymeric antifoulants and sequestrants to help remove metallic oxide, silt and dead microbiological material to maintain a cleaner and more efficiently operating system.

Sr	Product Code	Product Description	Packing
1	WT2000	For Low TDS System	35KG/50KG
2	WT2870	For High TDS System	35KG/50KG

COOLING TOWER - ANTISCALANT (CERTIFIED TO NSF)

The unwanted accumulation of scale and detrimental impact of metallic corrosion can be significant issues that affect the operation and maintenance of open and closed cooling water systems. To ensure that such open and closed cooling systems are well maintained and operate at optimum efficiency, it is essential that the correct water conditions are maintained at all times. This can be achieved using carefully selected scale and corrosion inhibitors designed specifically for such cooling systems.Our technologically advanced cooling water scale and corrosion inhibitors have been scientifically formulated to protect cooling systems from the effects of both scale build-

Sr	Product Code	Product Description	Packing
1	WTD100	For Low TDS System	35KG/50KG
2	WTD200	For High TDS System	35KG/50KG

COOLING TOWER - CORROSION INHIBITOR (CERTIFIED TO NSF)

The impact of metallic corrosion can be a significant issue that affects the operation and maintenance of cooling water systems. To ensure that such cooling systems are well maintained and operate at optimum efficiency it is essential that the correct water conditions are maintained at all times. This can be achieved using carefully selected corrosion inhibitors designed specifically for cooling systems. Our advanced technology cooling water corrosion inhibitors have been scientifically formulated to protect cooling systems from the effects of metallic corrosion.

Sr	Product Code	Product Description	Packing
1	WT2890	Zinc Based Corrosion Inhibitor	35KG/50KG

COOLING TOWER - DISPERSANT (CERTIFIED TO NSF)

The accumulation of microbiological slimes, biofilm and general bio-fouling in cooling water systems reduces system efficiency, increases operating and maintenance costs. If ignored leads to under deposit and pitting type of corrosion. Our synthetic organic Biodispersant and Bio Dispersent is effective in removing dead algal and slime mass from cooling system. It has a capacity to penetrate inside the thick algae mats on the cooling tower deck or fills and help the biocide to penetrate the biomass. It also has a deterrent effect and it cleans the system on line. Generally it is dosed prior to biocide or along with biocide to enhance its efficacy:

Sr	Product Code	Product Description	Packing
1	WTA100	Bio Dispersant with Antifoulant	35KG/50KG
2	WTA201	Bio Dispersant	35KG/50KG

COOLING TOWER BIOCIDES (CERTIFIED TO NSF)

The control of microbiological activity is an important, often safety critical activity in many commercial, manufacturing and industrial process applications. Our Non Oxidizing biocides are effective in controlling bacterial slime and fungal growth in industrial recirculating cooling water systems, air washer systems and evaporate condensers. We have a range of both oxidizing and nonoxidizing biocides, which have a broad spectrum efficacy and are effective over a wide range of pH.

Sr	Product Code	Product Description (Non Oxidizing Biocide)	Packing
1	WTB101	BKC - Quaternary Ammonium Based	35KG/50KG
2	WTB201	SDMDC - Carbamate Based	35KG/50KG
3	WTB900	CMIT - Isothiozoline Based	35KG/50KG
4	WTB1100	DDAC - Quaternary Ammonium Based	35KG/50KG
5	WTB1200	Bronopol Based Bactericide	35KG/50KG
6	WTB1900	Triazine Based Algaecide	35KG/50KG
7	WTB2100	THPS Based Biocide	35KG/50KG

Sr	Product Code	Product Description (Oxidizing Biocide)	Packing
1	WTB660	Chlorine Based	35KG/50KG
2	WTB700	Nano Silver & Hydrogen Peroxide Based	35KG/50KG
3	WTB1300	DBNPA Based Formulation	35KG/50KG

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CHILLER PLANT CORROSION INHIBITOR (CERTIFIED TO NSF)

The detrimental impact of metallic corrosion can be a significant issue that affects the operation and maintenance of closed cooling water systems. To ensure that such closed cooling systems are well maintained and operate at optimum efficiency it is essential that the correct water conditions are maintained at all times. This can be achieved using carefully selected corrosion inhibitors designed specifically for cooling systems. Our advanced technology cooling water corrosion inhibitors have been scientifically formulated to protect cooling systems from the effects of metallic corrosion.

Sr	Product Code	Product Description	Packing
1	WTCR100	For Closed System (Chilling Plants)	35KG/50KG

COOLING TOWER / CHILLER - CLEANER CHEMICAL (ON LINE) (CERTIFIED TO NSF)

Our cleaning system has been specially developed to effectively remove deposit, sludge / foulants from the system. It is a blend of specific chelating agents designed for removal of Iron, Calcium and Magnesium based deposits from cooling water systems where it is not practical to remove the tower packing. It is found to be most effective in cleaning, where deposition or oil contamination is suspected of reducing heat transfer or restricting flow available. Deposits are softened and solubilized as our cleaner penetrates the deposits and enhances the action of cooling water dispersants to slough off remaining deposits which are later removed during a blow down.

Sr	Product Code	Product Description	Packing
1	WTIC305	Cooling Tower Cleaner Descaling Chemical	35KG/50KG
2	WTIC315	Cooling Tower Cleaner Dispersant Chemical (To be used after WTIC305)	35KG/50KG
3	WT1153A	Chiller Plant Cleaner Descaling Chemical	35KG/50KG
4	WT1153B	Chiller Plant Cleaner Dispersant Chemical (To be used after WT1153A)	35KG/50KG

SUGAR PROCESS CHEMICALS



A cane sugar mill converts sugar cane to sugar crystals using a chain of continuous processes like crushing, evaporating, filtering & Distillation. To maximize sugar recovery from each of these processes different sugar process chemicals are used for individual production processes. Our comprehensive ranges of high performance chemicals have been scientifically formulated to deliver significant operational benefits and economize the production process. Use of these chemicals helps the sugar process unit for a trouble free run and achieving maximum recovery of sugar from cane.

SUGAR PROCESS - MILL SANITATION COMPOUND TO CONTROL BACTERIAL GROWTH

Mill Sanitation Chemicals are broad spectrum biocides that are effective in controlling the growth of algae, bacteria and fungi. They penetrate cell wall, lysis occurs, and metabolites leak out causing death of cell, thereby stunting their growth. Our formulation is a synergistic blend of Biocides which sanitises the mill section & restricts the inversion of sugar in the sugar juice.

Sr	Product Code	Product Description	Packing
1	WT8100	Quaternary Ammonium Based	35KG/50KG
2	WT8200	Carbamate Based	35KG/50KG

SUGAR PROCESS - EVAPORATOR ANTI-SCALANT

Evaporator systems in sugar industries tend to accumulate salts. The first two Evaporator bodies have generally a deposition of carbonate and phosphate, while the third and fourth have sulphates and silicates. These deposits are results of the sulphitation and lime processes done in clarification of the juice. Our formulation is a blend of low molecular weight polymers which helps in protecting the quadruple evaporators from scaling & deposits in multiple ways.

Sr	Product Code	Product Description	Packing
1	WT8300	To Inhibit Carbonate, Sulphate And Silica	35KG/50KG

SUGAR PROCESS - VISCOSITY REDUCER

'C' massecuite consists mainly of highly viscous non sugar material and a low sugar. The non sugar in 'C' massecuite increases the viscosity and hampers the pan boiling. Sometime because of high viscosity uniform boiling is not possible and thus may in turn char the sugar. To avoid this phenomenon the use of viscosity reducer is solicited in the process. Our formulation is a synergistic blend of special chemicals that reduces the viscosity of 'C' massecuite at the time of pan boiling.

Sr	Product Code	Product Description	Packing
1	WT8400	To Reduce Viscosity Of 'C' Massecuite	35KG/50KG

SUGAR PROCESS - BAGASSE POL REDUCER

To achieve maximum sugar extraction from crushed cane, sugar losses are to be maintained at a minimum in sugar mills. One of the major losses faced by a sugar factory is the sugar lost in bagasse during processing. Our unique ingredient and the synergistic functions of the formulation help in extraction of additional sucrose from bagasse on line. Its chemical composite helps to leach maximum sugar from bagasse by reduction of pol percentage in bagasse, reduction in moisture of bagasse and prevent non sugar coming out of bagasse.

Sr	Product Code	Product Description	Packing
1	WT8500	To Extract More Sugar From Bagasse	35KG/50KG

SPECIALITY CHEMICALS

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We have a wide range of speciality chemicals that are designed on basis of system applications. These chemicals are certified by NSF - USA for use in Food processing Industry.

AHU (AIR HANDLING UNIT) CLEANER (CERTIFIED TO NSF)

AHU if not cleaned regularly & properly lose their cooling efficiency & consume more electricity which drastically reduces its efficiency. To prevent this problem it is important to clean the AHU regularly. An effective cleaner would keep the AHU free of muck and dust running efficiently, thereby keeping the electricity consumption low. Our inhibited alkaline cleaner is useful in cleaning of Air Handling Units (AHU), Aluminum piston and Radiators. Also it has exceptionally long tank life and does not produce any objectionable odour, so it can be used for heavy duty cleaning at a economical price.

Sr	Product Code	Product Description	Packing
1	WTAHUCLN	For Aluminium Cleaning	35KG/50KG

RESIN CLEANER (CERTIFIED TO NSF)

Ion exchange resins can become polluted or contaminated with suspended solids, slime, bacteria, and numerous organic or microbiological matters over a time period. Fouling of the resin by iron and organic build up cannot be removed by normal regeneration procedures and can cause gradual performance losses. Our resin cleaner is especially designed to remove bound iron from iron fouled resins and prevent accumulation of fouling conditions to extend the resin life significantly. It will ensure optimum exchange capacity & also keep the softener components clean when used on a regular basis.

Sr	Product Code	Product Description	Packing
1	WTRESCLN	For Ion Exchange Resin	35KG/50KG

DEFOAMER (ANTI-FOAMER) (CERTIFIED TO NSF)

We provide a complete range of defoamers for different industries such as Adhesive, Agriculture, and Bitumen. Construction, Dyes & Pigments, Emulsion polymerization, Oilfield & petroleum, Paper & Pulp Sugar, Soaps & Detergents, Waste water Treatment. Our Silicon based defoamer is found to be powerful and highly effective due its unique properties & can be used in practically all industrial applications where unwanted foam creates problems in manufacturing.

Sr	Product Code	Product Description	Packing
1	WTAF10	Silicon Based Defoaming Agent Low	35KG/50KG
2	WTAF20	Silicon Based Defoaming Agent Medium	35KG/50KG
3	WTAF30	Silicon Based Defoaming Agent High	35KG/50KG

SILVER NANO HYDROGEN PERAOXIDE (CERTIFIED TO NSF60)

Our Silver Nano Hydrogen Peraoxide is effective Micro biocide formulation, an active combination of Nano Silver with Hydrogen Peroxide. It is effective in controlling bacterial growth, algae & fungal growth in all types of Waters and Surfaces. This combination is lethal to microbes, wherein Hydrogen peroxide disrupts microbial cell membrane, while Nano Silver penetrates in the cell, inhibiting enzymes needed for microbial metabolism. The Nano silver also disrupts DNA strands. This is a Food Grade Formulation Certified by NSF-USA under the NSF60 Standard & can be used drinking water application or food processing applications. Our Nano Silver Hydrogen Peroxide formulation have wide usages like eg. Industrial Water treatment, Surface Disinfection, Aerial Disinfection, Swimming Pool Disinfection, Agriculture Products Disinfection and any process required disinfection.

Sr	Product Code	Product Description	Packing
1	WTSH010	Nano Silver Hydrogen Peroxide 10 %	5KG/20KG
2	WTSH020	Nano Silver Hydrogen Peroxide 20 %	5KG/20KG
3	WTSH025	Nano Silver Hydrogen Peroxide 25 %	5KG/20KG
4	WTSH035	Nano Silver Hydrogen Peroxide 35 %	5KG/20KG
5	WTSH050	Nano Silver Hydrogen Peroxide 50 %	5KG/20KG

We are consultants to the water industry, wherein we help industries in specialized testing of various water parameters, again both in chemistry as well as microbiology. Also our customized chemical treatment products are used successfully in many of the industrial process environments where they help to reduce cost by improving the productivity & optimizing performance. Our Research and development is an ongoing process for innovating new treatment techniques aimed towards complete satisfaction to the client. Our Industrial Chemicals are formulated with discretion and caution so as to make their properties as environment friendly as possible. Our dedicated workforce is imbibed with the same passion in humane approach and our highly advanced infra structural set-up helps us in our mission to deliver high quality products.

Kindly visit www.rakiro.net/downloads to download individual product literatures and material safety datasheet

AGNISOL
Fire-Side Chemicals

FIRESIDE ADDITIVES






The primary aim of combustion is to obtain maximum amount of energy from each unit of fuel. But impurities in fuels and operational problems are limitations to achieve maximum output from burned fuel. The impurities in fuel can lead to formation of slag in furnace, clinkers on the fuel bed and the presence of sulphur can lead to the cold end corrosion. It is possible to improve the combustion of fuel and reduce un-burnt carbon in the ash. Our fireside additive plays an important role in complete combustion of fuel along with a control on corrosion deposits, slagging clinker formation, reduction in air borne pollution emission as well as inhibition of fouling.

SOLID FUEL ADDITIVE

Our Multipurpose Solid Fuel Additive is a free flowing powder treatment designed primarily for treating coal, wood, bagasse, biomass and other solid fuels. It acts as combustion catalyst and thereby loss due to unburnt fuel gets minimized resulting in improved combustion efficiency. It has an anti–fouling agent that helps to keep heat transfer surfaces clean and thus improves the steam generation for same heat transfer area. It softens the hard clinker and reduces the tendency of hard clinker formation, thus helps in reducing the maintenance & provide ease in cleaning and increase the boiler availability for long term operation. It promotes smoke free combustion at lower excess air levels, resulting in improved fuel economy.

Sr	Product Code	Product Description	Standard Packing
1	AGN6100	Coal Fuel Additive	25 Kg / 50 kg
2	AGN6200	Bagasse Fuel Additive	25 Kg / 50 kg
3	AGN6300	Wood Fuel Additive	25 Kg / 50 kg
4	AGN6400	Biomass Fuel Additive	25 Kg / 50 kg

ADVANTAGES OF USING FIRESIDE ADDITIVES

Combustion Process without Additives		Combustion Process with Additives
Incomplete Combustion of fuel	→	Complete Combustion of Fuel
Slag & Clinker Formation	→	Reduced Slag & Clinker Formation
Corrosion of surface & Cold Corrosion	→	Minimizes Corrosion & Cold Corrosion
Acid Smut Formation	→	Reduces Acid Smut Formation
Unburned Carbon in Ash	→	Decrease in Unburned Carbon in Ash
Increase Fuel Consumption	→	Reduces Fuel Consumption
Decrease in Furnace Efficiency	→	Increase in Furnace Efficiency
Increases Particulate Matter from Stack	→	Decreases Particulate Matter from Stack

Our Clients


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BASF
Balrampur Chini Mills Ltd.
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Clariant
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CUMI
DOMS
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STEEL
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Climate Technologies
FUCHS
THE LEELA
GNFC
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Godrej
ADITYA BIRLA
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Our Network



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ISO 9001:2015 Certified Company

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