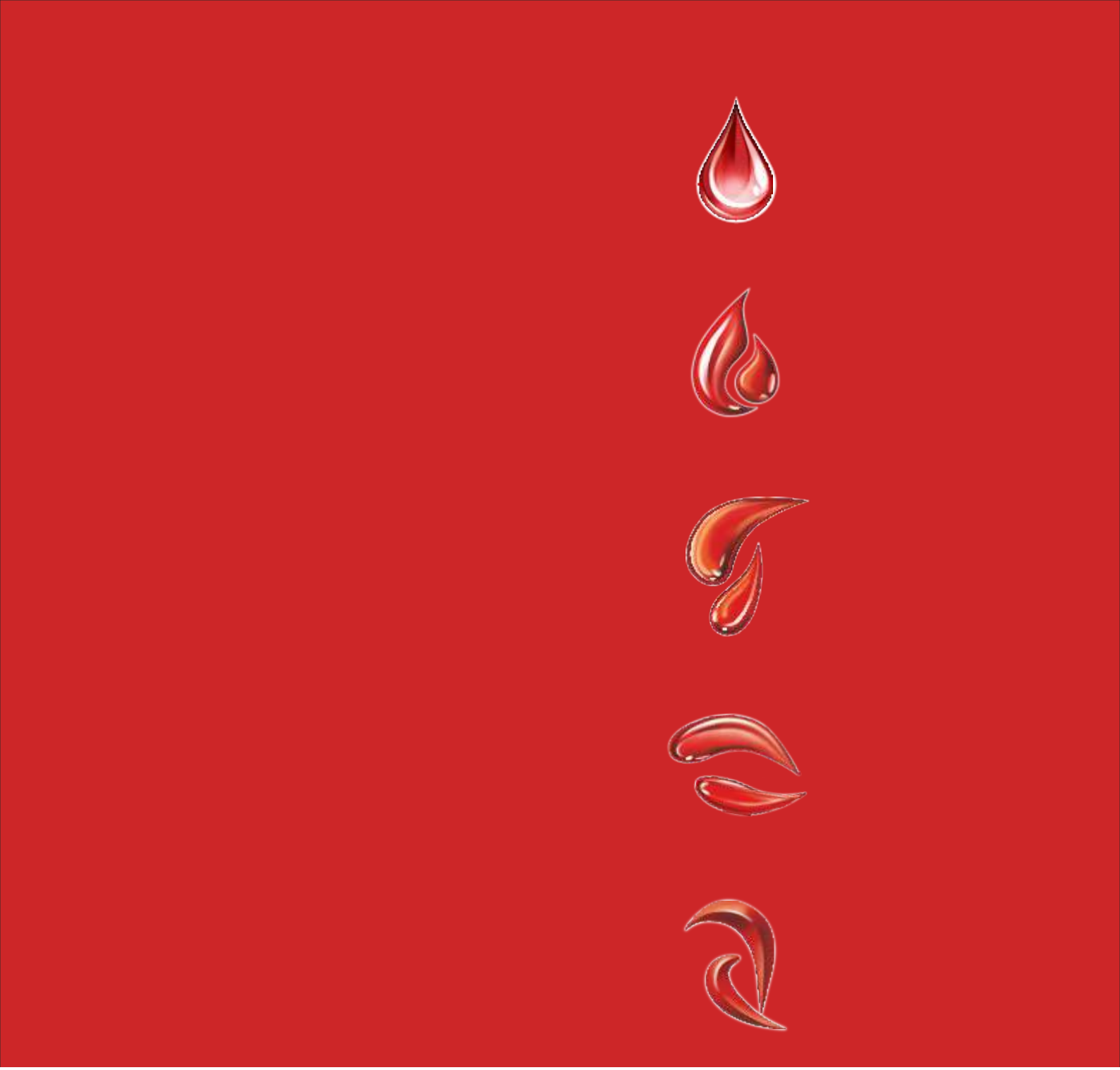


RAKIRO

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.



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.

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Our Network



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