



# Online Conductivity/TDS Meter



An  
ISO 9001:2015  
Company



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# Online Conductivity/TDS Meter

## Introduction:

Continuous monitoring of Conductivity/TDS 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 Conductivity/TDS /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.

## Specifications:

Parameter	TDS	Conductivity	Temperature
Model No	AO-TDS-01		
Range	0 to 13.00 PPT	0 to 20 mS/cm	0 to 90 Deg C
Accuracy	±2% of FS	±2% of FS	±0.2+ 1 Digit
Resolution	1ppm	1µS	0.1 Deg C
Power	9V DC (2 Pin 230VAC Adapter Provided)		
Dimensions	45mm x 45mm x 110mm, Mounting Details: 1/16 DIN Panel Mount (Cut out Size : 45 x 45 mm) (Depth: 110 mm)		
MeterWeight	75 g		

## Accessories :

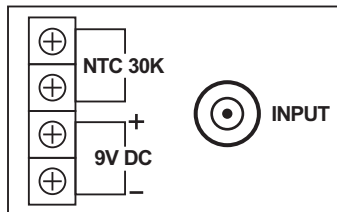
- 1) Conductivity Industrial Electrode, Code: AME-CN-IGT, Qty: 1.  
Process Connection: 3/4", Temp I/P: 30K Thermistor, Material: Glass Sensor with PVC Housing.  
Dimensions: 28 x 165 mm, Length: 5M, Temperature Range: Up to 90 Deg C
- 2) 9V DC/AC(100~240V) adaptor,
3. Adapter connection wire

## Installation:

### Mounting

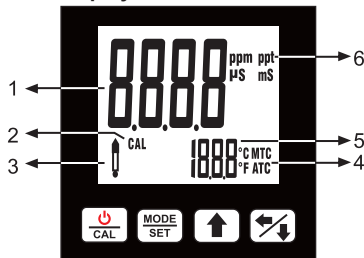
1. Make a 1.77 x 1.77" (45 x 45 mm) panel cutout (1/8" to 3/8" thickness)
2. Slide the controller into the cutout until the bezel is flush with the panel.
3. Slide the mounting bracket over the rear of the controller and press snugly against the rear of the panel.

### Rear panel connection







1. Conductivity or TDS reading
2. Calibration mode
3. Calibration error indicator
4. Auto temperature compensation (ATC) or Manual temperature compensation (MTC)


### Display and Buttons



5. Temperature reading and unit
6. Unit of Conductivity or TDS reading

	<ol style="list-style-type: none"> <li>1. Turn on/off the controller</li> <li>2. Enter calibration mode</li> </ol>
	<ol style="list-style-type: none"> <li>1. Switch Conductivity and TDS mode</li> <li>2. Press and hold to enter setting mode</li> <li>3. In setting mode, press to store each setting</li> </ol>
 	<ol style="list-style-type: none"> <li>2. In setting mode, adjust, edit parameter</li> </ol>

## Calibration :

1. Switch mode to Conductivity mode.
2. Dip the conductivity cell and the temperature probe into the standard solution 1413  $\mu\text{S}/\text{cm}$ .
3. Stir gently and wait until the reading is stable.
4. Press and hold  for 3 sec. to enter calibration mode. The display will appear CAL and flashing 1413 $\mu\text{S}/\text{cm}$ . When the display stops flashing and indicates "SA", then "End" while calibration ends, and will return to measurement mode.

### Note :







Calibration error indicator icon will appear, and "Err" instead of "SA", if calibration fails.

## TDS converting ratio and Temperature unit setting.

TDS reading is converted from conductivity reading.





The default ratio in this controller is 0.67

### To change this ratio and temperature unit:

1. Switch mode to TDS mode.
2. Press and hold  until a beep sound, and then press  again.
3. The display will show the current TDS ratio. Press  to change the ratio from 0.50 to 1.00, and then press  store the setting.
4. The display will then show the current temperature unit. Press  to change the type, and then press  to store the setting.

## Other settings

### Back light






1. Press and hold  until a beep sound, and then press  again .
2. Press  to choose ON, OFF, and Auto :

ON : back light is always on.

OFF : back light is always off.

Auto : back light will be on for 30 seconds while any button is pressed and then off.

### Reset the controller to default setting

1. Press and hold  until a beep sound, release  and then press and hold  again until a beep sound.
2. Press  to switch OFF to On, and then press  to reset the controller to default setting.

# Warranty Card\*

Customer Name/ Address : \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Dealer Name/ Address: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Bill No. \_\_\_\_\_

Date : \_\_\_\_\_

Product details \_\_\_\_\_

Dealer Stamp  
& Sign



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