



# Standard Benchtop Meter

## Conductivity, TDS, °C

The Jenco 3173R benchtop Conductivity, TDS meter is a unique combination of functional appearance, useful features, quality measurements and great value:

### Quick and Easy Measurements

Clear, large LCD display (4 1/8 X 3 1/16 in.).

Displays conductivity and temperature, or TDS and temperature readings at the same time.

Accepts 2-wire conductivity cells with adjustable K=0.1, K=1 and K=10 cell constants for improved flexibility and accuracy.

Auto or manual ranging of 3 conductivity ranges are available for improved usability.

Convenient one point calibration. Calibration data is stored in memory and is ready for use on power up.

Readings are automatically compensated for temperature (ATC). Meter automatically switches into manual compensation when temperature probe is not present.

Automatic lock mode is available to lock in stable readings.

Intuitive operation with membrane keypad with tactile and audio feedback.

### Carefree Maintenance

Splash resistant case is made with durable, reinforced plastic for added protection. Protective covers for connectors are included.

Large LCD is offset for improved protection against unintentional damage.

Smaller case does not clutter valuable desk space.

### Standard Inputs and Outputs

RS-232 computer interface.

8 pin DIN connector for conductivity cell & 10k thermistor.

AC adaptor or battery power.

## Specifications

	Range	Resolution	Accuracy
Conductivity, K=0.1	0.00 to 20.00 uS/cm	0.01 uS/cm	± 0.5 % full scale
	20.0 to 200.0 uS/cm	0.1 uS/cm	± 0.5 % full scale
	200 to 2000 uS/cm	1 uS/cm	± 0.5 % full scale
Conductivity, K=1	0.0 to 200.0 uS/cm	0.1 uS/cm	± 0.5 % full scale
	200 to 2000 uS/cm	1 uS/cm	± 0.5 % full scale
	2.00 to 20.00 mS/cm	0.01 mS/cm	± 0.5 % full scale
Conductivity, K=10	0 to 2000 uS/cm	1 uS/cm	± 0.5 % full scale
	2.00 to 20.00 mS/cm	0.01 mS/cm	± 0.5 % full scale
	20.00 to 200.0 mS/cm	0.1 mS/cm	± 0.5 % full scale
TDS, K=0.1	0.00 to 10.00 ppm	0.01 ppm	± 0.5 % full scale
	10.0 to 100.0 ppm	0.1 ppm	± 0.5 % full scale
	100 to 1000 ppm	1 ppm	± 0.5 % full scale
TDS, K=1	0.0 to 100.0 ppm	0.1 ppm	± 0.5 % full scale
	100 to 1000 ppm	1 ppm	± 0.5 % full scale
	1.00 to 10.00 ppt	0.01 ppt	± 0.5 % full scale
TDS, K=10	0 to 1000 ppm	1 ppm	± 0.5 % full scale
	1.00 to 10.00 ppt	0.01 ppt	± 0.5 % full scale
	10.00 to 100.0 ppt	0.1 ppt	± 0.5 % full scale
Temp	- 10.0 to 120.0 °C	0.1 °C	± 0.5 °C

## General

### Conductivity:

Conductivity Reference Temp.	15.0 to 25.0 °C, user selectable at 0.1 °C increment
Conductivity Temp. Coefficient	0.00 to 4.00 %, user selectable at 0.01 % increment
Basic Cell Constant	K=0.1, K=1.0 or K=10, user selectable
TDS Conversion	0.5, fixed

### Other:

Power Supply	6 AA Batteries or 115/230 V AC adapter
Calibration Backup	Yes
Audio Feedback	All Touch Keys
End Point Sensing & Hold	Yes
Auto Ranging	Yes
LCD Character Size (Main, Temp)	21 mm, 16 mm high
Ambient Temp. Range	0 to 50 °C
ATC Probe	Thermistor, 10k ohm
RS-232 communication	3173R only, Baud Rate 9600
Dimensions (W x D x H )	165 mm x 230 mm x 80 mm
Weight	650 grams (Excluding batteries)

## Accessories

101	Conductivity cell w/8 pin connector, K=1.0
109	Conductivity cell w/8 pin connector, K=0.1
107	Conductivity cell w/8 pin connector, K=10
6007D115	115 V AC adapter
6007D230	230 V AC adapter
007N	Electrode holder arm

