

TES-1381 Conductivity & pH/ORP Meter

FEATURES

- pH, mV, Conductivity, TDS, Resistivity, Salinity, Concentration and Temperature measurement functions.
- 0.001pH, 0.1mV, 0.001 μ S/cm, 0.001mg/L and 0.1 $^{\circ}$ C / $^{\circ}$ F Resolution.
- Programmable Temperature Coefficient for conductivity measurement.
- Auto / Manual Temperature Compensation for pH and conductivity measurement.
- Practical Salinity in the Range of 0 to 42.0, in accordance with UNESCO data measurement.
- Dual display with temperature Simultaneously.
- Easy & Fast to operate.
- Ideal for most water application.
- Available cell constant of K=0.1, K=1.0 and K=10.
- 99 sets manual data memory and read function.
- 2250 sets auto datalogging capacity.
- USB interface.
- Indication of pH Electrode status.



APPLICATIONS

Stains, Lotion, Chemical, Brew, Bacteriology, Filthy water, Pulp, Pharmacy, Ferment, Electroplate, Drink, Aquaculture etc.

SPECIFICATION

Electrical Specifications:

Measurement	Range	Resolution	Accuracy
pH	-9 ~ 23 pH	0.001 pH	± 0.01 pH
mV	0 ~ 1999.9 mV	0.1 mV	$\pm (0.1\% \text{ reading} + 1d)$
Temp($^{\circ}$ C)	-10 ~ 200 $^{\circ}$ C	0.1 $^{\circ}$ C	± 0.5 $^{\circ}$ C
Temp($^{\circ}$ F)	-14 ~ 392 $^{\circ}$ F	0.1 $^{\circ}$ F	± 0.9 $^{\circ}$ F
Conductivity	0.000 ~ 19.999 μ S/cm	0.001 μ S/cm	$\pm 5\%$ FS
	0.00 ~ 199.99 μ S/cm	0.01 μ S/cm	
	0.0 ~ 1999.9 μ S/cm	0.1 μ S/cm	$\pm 3\%$ FS
	0.000 ~ 19.999 mS/cm	0.001 mS/cm	$\pm 2\%$ FS
	0.000 ~ 19.999 mS/cm	0.01 mS/cm	
TDS	0.000 ~ 19.999 mg/L	0.001 mg/L	Calculated from Conductivity
	20.00 ~ 199.99 mg/L	0.01 mg/L	

	200.0 ~ 1999.9 mg/L	0.1 mg/L	Range
	2.000 ~ 19.999 g/L	0.001 g/L	
	20.00 ~ 199.99 g/L	0.01 g/L	
	200.0 ~ 1999.9 g/L	0.1 g/L	
Resistivity	0.000 ~ 19.999 K Ω · cm	0.001 K Ω · cm	Calculated from Conductivity Range
	20.00 ~ 199.99 K Ω · cm	0.01 K Ω · cm	
	200.0 ~ 1999.9 K Ω · cm	0.1 K Ω · cm	
	2.000 ~ 19.999 M Ω · cm	0.001 M Ω · cm	
Salinity	0.00 ~ 42.00 psu	0.01 psu	Calculated from Conductivity Range
	0.00 ~ 80 ppt	0.01 ppt	
	0.0 ~ 400.0%	0.01%	
Concentration	0.000 ~ 9.999	0.001	Calculated from Conductivity Range
	10.00 ~ 9.999	0.01	
	100.0 ~ 999.9	0.1	
	1000 ~ 9999	1	

General Specification:

Display	4-1/2 digital super large LCD dual display.
Sampling rate	About one time per 2 second.
Manual data memory capacity	99 sets.
Auto datalogging capacity	2250 sets.
Calibration data	Record the last data of calibration.
Operating temperature and humidity	0°C ~ 50°C (32°F ~ 122°F) · below 80%RH
Storage temperature and humidity	-10°C ~ 60°C (14°F ~ 140°F) · below 70%RH
Power supply	6 pcs size AA battery or DC9V AC adaptor
Dimensions / Weight	18.7(L) × 7.3(W) × 5.3(H) cm / 7.3"(L) × 2.9"(W) × 2.1"(T) Approx. 380g (13.4 oz) with batteries.
Accessories	Carrying case, Instruction manual, Software, Batteries, USB Cable
Option Accessories	pH electrode, Conductivity electrode, Temperature probe, pH 4 and pH 7 buffer solution, 1413 mS/cm solution