Handheld Water Quality Analyzer

TES-1381K

Conductivity , pH, redox potentiometer

- **pH, redox potential, conductivity , total solid solubility, resistivity, salinity, concentration and temperature measurement functions**
- **0.001pH, 0.1mV, 0.001µS/cm, 0.001mg/L and 0.1 ℃ / ℉ resolution**
- **Programmable temperature coefficient for conductivity measurement**
- **Automatic and manual temperature compensation for pH and conductivity measurement**
- **Practical salinity measurement range 0 ~ 42.0, according to UNESCO data**
- **Dual display including temperature display at the same time**
- **Easy and fast operation**
- **Suitable for most water applications**
- **Conductivity electrode coefficient K=0.1, K=1.0 and K=10 are applicable**
- **99 sets of manual data recording and reading functions**
- **2250 sets of automatic data memory capacity**
- **USB interface**
- **pH electrode status display**

show	4-1/2 digit LCD display
Calibration record	last calibration value
Operation and storage temperature and humidity	0 ˚C to 50 ˚C < 80%RH -10 ˚C to 60 ˚C < 70% RH
electricity	"AA"-1.5V x 6 (about 200 hours)
Dimensions and weight	187(L) × 73(W) × 50(H)mm and 380g
recording capacity	99 pens can be displayed on LCD

application	Dyes, potions, chemicals, beverages, bacteria, sewage, pulp, pharmaceuticals, fermentation, electroplating, drinking water, fish farming
General accessories	pH electrode, conductivity electrode (K=1.0), temperature stick, pHORP4 and pH 7 buffer solution , 1413 μS/cm conductivity solution, carrying case, manual, CD-ROM software, battery and USB cable.
optional accessories	AC converter (input and output isolation type, output DC 9V 100mA)

Measurement	scope	resolution	accuracy
Acidity **(pH)**	-9 to 23 pH	0.001pH	±0.01pH
Oxidation-reduction potential **(mV)**	0 to ±1999.9 mV	0.1mV	±(0.1% of reading +1d)
temperature **(°C)**	-10 to 200 ° C	0.1 ° C	±0.5 ° C
Temperature **(°F)**	-14 to 392 ° F	0.1 ° F	±0.9 ° F
Conductivity **(Conductivity)**	0.000 to 19.999 μS/cm	0.001 μS/cm	±5%FS
	0.00 to 199.99 μS/cm	0.01 μS/cm	
	0.0 to 1999.9 μS/cm	0.1 μS/cm	±3%FS
	0.000 to 19.999 mS/cm	0.001 mS/cm	±2%FS
	0.00 to 199.99 mS/cm	0.01 mS/cm	
total solid solubility **(TDS)**	0.000 to 19.999 mg/L	0.001mg/L	Calculation of self - conductance gear
	20.00 to 199.99 mg/L	0.01mg/L	
	200.0 to 1999.9 mg/L	0.1mg/L	
	2.000 to 19.999 g/L	0.001g/L	
	20.00 to 199.99 g/L	0.01 g/L	
	200.0 to 1999.9 g/L	0.1 g/L	
Resistivity **(Resistivity)**	0.000 to 19.999 KΩ χμ _	0.001 KΩ χμ _	Calculation of self - conductance gear
	20.00 to 199.99 KΩ χμ _	0.01 KΩ χμ _	
	200.0 to 1999.9 KΩ χμ _	0.1 KΩ χμ _	
	2.000 to 19.999 MΩ χμ _	0.001 MΩ χμ _	
Sodium **(Salinity)**	0.00 to 42.00 psu	0.01 psu	Calculation of self - conductance gear
	0.00 to 80 ppt	0.01ppt	
	0.0 to 400.0%	0.1%	
concentration **(Concentration)**	0.000 to 9.999	0.001	Calculation of self - conductance gear
	10.00 to 9.999	0.01	
	100.0 to 999.9	0.1	
	1000 to 9999	1	