

MULTIPARAMETER METER

FOR WATER QUALITY ANALYSIS-CMP-01

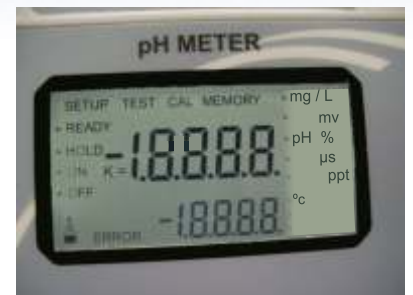
pH, mv, ms, μ s, mg/L, ppt, %, ppm, $^{\circ}$ C

CONTECH[®] Multiparameter Meter is the perfect combination of advanced Electrochemical sensor technology with state of the art electronics and software design. This instrument can measure several parameters, like pH, mV, Conductivity TDS, Salinity, Resistivity, Dissolved oxygen, Ion concentration and temperature using different electrodes. Large scale integration of circuit using surface mounted components and dedicated backlite LCD with display of various measuring parameter units for different parameters being measured has enabled to use this compact instrument for the measurement of multiple parameters without any ambiguity. This instrument is very useful where all parameters need to be measured like in the field of environmental protection, water quality checking, disease control, biological agriculture, aqua culture & scientific research.



Features

- ◆ pH, mV, Conductivity, Resistivity, TDS, Salinity, DO, Ion Concentration, Temperature modes.
- ◆ Automatic or Manual temperature Compensation.
- ◆ 3 point pH calibration.
- ◆ Buffers selectable from 1.68pH, 4.00pH, 4.01pH, 6.86pH, 7.00pH, 9.18pH, 9.20pH, 10.01pH and 12.45pH
- ◆ Automatic buffer recognition.
- ◆ 1 point conductivity calibration for the entire range.
- ◆ Dissolved oxygen electrode with the salinity measurement feature to achieve automatic salinity & temperature compensation.
- ◆ Automatic air pressure compensation for DO with the help of air pressure sensor.
- ◆ Polarographic type DO electrode offers short polarization time, quick response and precise measurements.
- ◆ 2 point Ion concentration standard solution calibration.
- ◆ Switching option among 3 measurement units of Ion concentration, pX, mg/L, ppm.
- ◆ Bi directional RS232 interface. Baud rate selectable from 1200,2400,4800 and 9600.
- ◆ Single and continuous print out of measuring parameters.
- ◆ Multiple Printout types. Combinations selectable from Sr. No., pH, mV, conductivity, TDS, Salinity, DO, Ion Concentration, Date, time and temperature.
- ◆ Real Time Clock.
- ◆ Calibration report as per GLP requirements.
- ◆ Electrode Slope and mV offset display.
- ◆ LCD display with Backlight.
- ◆ Memory storage of 100 measurements.
- ◆ Data logging facility up to 500 results. Data logging interval selectable from 5S, 10S, 20S, 30S, 1M, 2M and 5M.
- ◆ Temperature calibration with respect to solution of known temperature.



Customised large white backlight LCD with display of various measuring parameter units



Ports for different electrodes on the rear panel

Specifications :

	pH	mV	Conductivity	Resistivity	TDS	Salinity	DO	Ion	Temp
Range	-2.0000~19.999pH	±1999.9mV	Conductivity : 0~2000mS/cm spread into 6 ranges 0.00~20.00 μ S/cm, 20.0~200.0 μ S/cm, 200~2000 μ S/cm 2.00~20.00mS/cm, 20.0~200.0 mS/cm, 200~2000mS/cm(K=10)	0~100M Ω ·cm	0~100g/L	0~100ppt 0~200.0%	0~40.00mg/L(ppm),	0.00~14.00pX(units pX, mg/L, ppm)	-10.0 ~ 110.0 $^{\circ}$ C
Accuracy	±0.002pH	±0.5mV	±0.5% FS				±0.10 mg/L	±0.5% of reading value (monovalent), ±1% of reading value (bivalent)	±0.4 $^{\circ}$ C
ATC	0~100 $^{\circ}$ C	0~100 $^{\circ}$ C	0~50 $^{\circ}$ C	0~50 $^{\circ}$ C	0~50 $^{\circ}$ C	0~50 $^{\circ}$ C	0~45 $^{\circ}$ C	0~60 $^{\circ}$ C	
Electrode	EpHG03	EpHG03	ECNG01	ECNG01	ECNG01	ECNG01	EDO01	Different electrodes for different Ion measurements RG04(Reference Electrode),	ETS01

Power : 9V/ 500 mA External adaptor or battery backup unit (Optional)
Operating Temperature : 15~45 $^{\circ}$ C

Meter Dimensions (mm) : 165 (L) x 190 (D) x 60 (H)
Meter Weight : 700 g
Standard Accessories : Magnetic Stirrer MS-01