

SPECIFICATION FOR ONLINE TYPE pH/ORP Meter

1	Measurement	:	PH and ORP
2	pH Range	:	0.00 to 14.00 pH
3	pH resolution	:	Upto 2-digit resolution (0.01pH)
4	pH accuracy	:	$\pm 0.02\text{pH}$
5	ORP (mV) Range	:	$\pm 1999\text{mV}$
6	ORP Resolution	:	0.1mV upto $\pm 199.9\text{mV}$ $1\text{mV} > \pm 199.9\text{mV}$
7	ORP Accuracy	:	$\pm 0.2\text{mV}$ upto $\pm 199.9\text{mV}$ $\pm 2\text{mV} > \pm 199.9\text{mV}$
8	Temperature measurement Range	:	0 to 70 deg. C
9	Temperature Probe	:	Pt 100 & Pt 1000 (User selectable through Menu)
10	Temperature Resolution	:	0.1 deg. C
11	Temperature accuracy	:	0.3 deg. C
12	Auto Temp. Compensation	:	Inbuilt (Enabled/disabled by menu)
13	Calibration buffer Option	:	USA, NIST & User defined buffer range USA(pH:1.68, 4.01, 7.00, 10.01, 12.45) NIST (pH: 1.68, 4.01, 6.86, 9.18, 12.45) User Defined: Any value within 0 to 14pH range
14	Calibration points	:	Single point, Two points OR Three points (User selectable through menu)
15	Display	:	Backlit LCD display of pH/mV and Temp.
16	Compatible electrode/Sensor*	:	1. Analog type combined pH glass with Pt-100 Temp. Sensor 2. Analog type combined ORP electrode
17	Electrode Interface	:	Connected to the transmitter with screwed connector
18	User Interface	:	LCD display panel with programming keys. User can perform following function from menu 1. Meter calibration 2. Offset adjustment 3. Current output adjustment (trimming) 4. Temp. Compensation (Auto/Manual) 5. Temperature adjustment 6. Simulation of current Output 7. Calibration stability (Drift)
19	Offset adjustment during calibration	:	1. Zero: $\pm 2\text{pH}$ (118mv at 25 deg. C) 2. Span: 70% to 110% of actual mV.
20	Current Output	:	1 no. of 4 to 20mA corresponding to 0 to 14pH / 0 to 2000mV
21	Power supply	:	24Volt, 2 wire loop powered
22	Operating environment	:	Temp.: 2 to 55 deg. C, Humidity: upto 100% RH, with acid fumes
23	Enclosure	:	Metal enclosure (Stainless steel preferred), with weather protection cover
24	Mounting	:	Outdoor
25	Make	:	E&H, ABB, Eutech, Thermo Scientific, Forbes Marshall, Krone, HACH

- Any kind of proprietary combination of Transmitter and electrodes will be rejected
- Transmitter accepting output of Analog type pH/ORP electrode with ATC (RTD Pt-100) shall be considered