

## 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	:	$\pm 0.02$ pH
5	ORP (mv) range	:	$\pm 1999$ mv (Range should be adjustable)
6	ORP resolution	:	0.1 mv upto $\pm 199.9$ mv 1 mv > $\pm 199.9$ mv
7	ORP accuracy	:	0.2 mv upto $\pm 199.9$ mv 2 mv > $\pm 199.9$ mv
8	Temperature measurement range	:	0 to 70 deg. C
9	Temprature probe	:	PT 100 /Pt 1000 (User selectable through menu)
10	Temperature resolution	:	0.1 deg C
11	Temprature accuracy	:	0.3 deg C
12	Auto temp compensation	:	Inbuilt (Enabled /disabled by menu)
13	Calibration buffer option	:	USA ,NIST or user defined buffer range USA (pH:1.68,4.01,7.00,10.1,12.45) NIST (pH:1.68,4.01,6.86,9.18,12.45) User defined : any value within 0 to 14 pH range
14	Calibration point	:	2 or 3 points (select 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	Electode Interface	:	Connected to the transmitter with screwed connector
18	User Interface	:	LCD display panel with programming keys. User can perform following function 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 8. Clock adjustment
19	Current output	:	1 no. of 4 to 20mA corresponding to 0 to 14pH/0 to 2000mV
20	Power supply	:	24 Volt , 2 wire loop powered
21	Opertating environment	:	Temperature : 2 to 55 deg C Humidity : up to 100% RH , with acid fumes
22	Enclosure	:	Metal enclosure (Stainless steel preffered) with weather protection cover
23	Mounting	:	Outdoor
24	Make	:	E & H ,Eutech,Thermo Scientific ,Cole Parmer ,Forbes Marshall Siemens,Hach

### Note:

- 1: Any kind of proprietary combination of Transmitter and electrode will be rejected
- 2 : Transmitter accepting output of Analog type pH/ORP electrode with ATC shall be considered

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