

- pH
- ORP
- TDS
- COND
- TEMP

3175 / 3175-307A / 3175-307 / 6175

This is our 4th generation benchtop series which consists of single parameter models that are great for laboratory and research applications. Easy to use and able to provide repeatable, accurate readings, this series is an ideal for private labeling.

Specifications

Page.53



Basic, Easy to Use

- Automatic or manual temperature compensation (pH)
- Automatic buffer recognition of US and NIST buffer sets (pH)
- Dedicated pushbuttons for key operations

Reliable and Repeatable Results

- $> 10^{12} \Omega$ input impedance (pH)
- 2 Points calibration (pH)
- 2-Wire conductivity (conductivity, salinity, TDS)
- 1 Point per range calibration (conductivity, salinity, TDS)
- $K = 0.1, 1.0$ and 10.0 (conductivity, salinity, TDS)

Available Configurations

- Single parameter pH, ORP, conductivity, salinity, TDS, temperature

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6175



3175 (3175-307A)



3175-307



Parameters	pH & ORP & Temp	Cond & TDS & Temp	Cond & Temp
Range	0.00 ~ 14.00 pH (pH) ±1999.9 mV (ORP)	0.000 µS/cm ~ 200.0 mS/cm (Cond) 0.000 mg/L ~ 200.0 g/L (TDS)	0.000 µS/cm ~ 200.0 mS/cm
Resolution	0.01 pH (pH) 0.1 mV (ORP)	0.001 µS/cm, 0.01 µS/cm, 0.1 µS/cm, 1 µS/cm, 0.01 mS/cm, 0.1 mS/cm (Cond) 0.001 mg/L, 0.01 mg/L, 0.1 mg/L, 1 mg/L, 0.01 g/L, 0.1 g/L (TDS)	0.001 µS/cm, 0.01 µS/cm, 0.1 µS/cm, 1 µS/cm, 0.01 mS/cm, 0.1 mS/cm
Accuracy	±0.01 pH (pH) ± 0.4 mV (-1500.0 ~ 1500.0), ± 1 mV (-1999.9 ~ -1500.0 and 1500.0 ~ 1999.9 mV) (ORP)	±0.5% F.S.	±0.5% F.S.
Temp Range	0.0 ~ 100.0 °C	0.0 ~ 100.0 °C	0.0 ~ 100.0 °C
Temp Resolution	0.1 °C	0.1 °C	0.1 °C
Temp Accuracy	±0.2 °C	±0.2 °C	±0.2 °C
Calibration	Up to 3 points	1 point	1 point
pH Buffer Recognition	USA , NIST	NA	NA
ATC	Auto and manual	Auto and manual	Auto and manual
Cell Constant	NA	0.01, 0.10, 1.00, 10.0 (2 Wire)	0.01, 0.10, 1.00, 10.0 (2 Wire)
Input Impedance	1 X 10 ¹² Ω	NA	NA
Reference Temperature	NA	15.0 ~ 25.0 °C	15.0 ~ 25.0 °C
Temperature Coefficient	NA	0.00% ~ 4.00%	0.00% ~ 4.00%
TDS Factor	NA	0.30 ~ 1.00	NA
Screen	Segment LCD backlight	Segment LCD backlight	Segment LCD backlight
Power Supply	100 ~ 240 VAC adapter or AAA x 6	100 ~ 240 VAC adapter or AAA x 6	100 ~ 240 VAC adapter or AAA x 6
Dimensions	150 X 203 X 72 mm	150 X 203 X 72 mm	150 X 203 X 72 mm