

- 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

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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

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 |