

## Upgrade to Next-Level Productivity with App-Enhanced Benchtop Meters

**6177N / 6177B / 6179 / 6179B**  
**3177N / 3177B / 6377B**

Our 5th generation benchtop series consists of single and multi-parameter models, with or without Bluetooth connectivity. The non-Bluetooth models are easy to use, providing repeatable, accurate readings. When paired with iOS and Android tablets, the Bluetooth models enable the same user experience as users' favorite apps while providing graphing, guided calibration procedures, GLP-compliant data storage, data sharing, cloud data storage and user-defined compliance policies.

Specifications

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Parameters	6177N	6177B	3177N	3177B	6377B	6179	6179B
Range	pH / ORP / Temp -2.00 ~ 16.00 pH (pH) ±1999.9 mV (ORP)	pH / ORP / Temp -2.00 ~ 16.00 pH (pH) ±1999.9 mV (ORP)	Cond / TDS / Salt / Temp 000 µS/cm ~ 200.0 mS/cm (Cond) 0.000 mg/L ~ 200.0 g/L (TDS) 0.0 ~ 70.0 ppt (Salt)	Cond / TDS / Salt / Temp 000 µS/cm ~ 200.0 mS/cm (Cond) 0.000 mg/L ~ 200.0 g/L (TDS) 0.0 ~ 80.0 ppt (Salt)	pH / ORP / Cond / TDS / Salt / Temp -2.00 ~ 16.00 pH (pH) ±1999.9 mV (ORP) 000 µS/cm ~ 200.0 mS/cm (Cond) 0.000 mg/L ~ 200.0 g/L (TDS)	pH / ORP / Temp / ION -2.00 ~ 16.00 pH (pH) ±1999.9 mV (ORP) 0.01 ~ 2000 conc. (ION)	pH / ORP / Temp / ION -2.00 ~ 16.00 pH (pH) ±1999.9 mV (ORP) 0.01 ~ 2000 conc. (ION)
Resolution	0.01 pH (pH) 1 mV (ORP)	0.01 pH (pH) 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) 0.1 ppt (Salt)	0.01 µS/cm, 0.1 µS/cm, 1 µS/cm, 0.01 mS/cm, 0.1 mS/cm (Cond) 0.01 mg/L, 0.1 mg/L, 1 mg/L, 0.01 g/L, 0.1 g/L (TDS) 0.1 ppt (Salt)	0.01 pH (pH) / 0.1 mV (ORP) 0.01 µS/cm, 0.1 µS/cm, 1 µS/cm, 0.01 mS/cm, 0.1 mS/cm (Cond) 0.01 mg/L, 0.1 mg/L, 1 mg/L, 0.01 g/L, 0.1 g/L (TDS) 0.1 ppt (Salt)	0.01 pH (pH) 0.1 mV (ORP) 0.01, 0.1 or 1 conc. (ION)	0.01 pH (pH) 0.1 mV (ORP) 0.01, 0.1 or 1 conc. (ION)
Accuracy	±0.01 pH (pH) ±0.05% F.S. (ORP)	±0.01 pH (pH) ±0.05% F.S. (ORP)	±0.5% F.S.	±0.5% F.S.	±0.01 pH (pH) ±0.05% F.S. (ORP) ±0.5% F.S. (EC)	±0.01 pH (pH) ±0.2 mV (±199.9 mV), ±1 mV (beyond ±200.0mV) (ORP) ±0.5% F.S. (mono-valent), ±1.0% F.S. (di-valent) (ION)	±0.01 pH (pH) ±0.2 mV (±199.9 mV), ±1 mV (beyond ±200.0mV) (ORP) ±0.5% F.S. (mono-valent), ±1.0% F.S. (di-valent) (ION)
Temp Range	0.0 ~ 100.0 °C	-10.0 ~ 120.0 °C	0.0 ~ 100.0 °C	-10.0 ~ 120.0 °C	-10.0 ~ 120.0 °C	0.0 ~ 100.0 °C	-10.0 ~ 120.0 °C
Temp Resolution	0.1 °C	0.1 °C	0.1 °C	0.1 °C	0.1 °C	0.1 °C	0.1 °C
Temp Accuracy	±0.2 °C	±0.2 °C	±0.2 °C	±0.2 °C	±0.2 °C	±0.2 °C	±0.2 °C
Calibration	Up to 3 points (pH)	Up to 5 points (pH) ±150 mV (ORP)	1 point	1 point	Up to 5 points (pH) ±150 mV (ORP) 1 point (Cond)	Up to 5 points (pH) ±150 mV (ORP)	Up to 5 points (pH) ±150 mV (ORP)
pH Buffer Recognition	USA, NIST	USA, NIST	NA	NA	USA, NIST	USA, NIST	USA, NIST
ATC	Auto and manual	Auto and manual	Auto and manual	Auto and manual	Auto and manual	Auto and manual	Auto and manual
Cell Constant	NA	NA	0.01, 0.10, 1.00, 10.0 (2 Wire)	0.475 (4 Wire), 0.1 (2 Wire)	0.475 (4 Wire), 0.1 (2 Wire)	NA	NA
Input Impedance	1 X 10 <sup>12</sup> Ω	1 X 10 <sup>12</sup> Ω	NA	NA	1 X 10 <sup>12</sup> Ω	3 X 10 <sup>12</sup> Ω	3 X 10 <sup>12</sup> Ω
Reference Temperature	NA	NA	15.0 ~ 25.0 °C	15.0 ~ 25.0 °C	15.0 ~ 25.0 °C	NA	NA
Temperature Coefficient	NA	NA	0.00% ~ 4.00%	0.00% ~ 4.00%	0.00% ~ 4.00%	NA	NA
TDS Factor	NA	NA	0.30 ~ 1.00	0.30 ~ 1.00	0.30 ~ 1.00	NA	NA
Screen	Segment LCD backlight	Segment LCD backlight	Segment LCD backlight	Segment LCD backlight	Segment LCD backlight	Segment LCD backlight	Segment LCD backlight
Connectivity	NA	Bluetooth	NA	Bluetooth	Bluetooth	NA	Bluetooth
GLP	NA	Yes	NA	Yes	Yes	NA	Yes
Power Supply	100 ~ 240 VAC adapter or AAA x 6	100~240VAC adapter or AAAx6	100 ~ 240 VAC adapter or AAA x 6	100~240 VAC adapter or AAA x 6	100 ~ 240 VAC adapter or AAA x 6	100 ~ 240 VAC adapter or AAA x 6	100~240 VAC adapter or AAA x6
Dimensions	150 X 210 X 45 mm	150 X 210 X 45 mm	150 X 210 X 45 mm	150 X 210 X 45 mm	150 X 210 X 45 mm	150 X 210 X 45 mm	150 X 210 X 45 mm