

pH6810N / EC3840N 7810

The Rugged Portable Series is engineered to provide accurate readings for professionals who work in demanding environments. The meter's electronics are enclosed in an IP67 rated housing which is further reinforced by a thick rubber boot. Optional IP67 rated electrode cable and connector maintain the protective rating of this meter.

Specifications

Page.60



pH6810N



EC3840N



7810



Parameters	pH & ORP & Temp	Cond & TDS & Salt & Temp	Temp
Range	-2.00 ~ 16.00 pH (pH) ±1999 mV (ORP)	0.0 µS/cm ~ 200.0 mS/cm (Cond) 0.0 mg/L ~ 200.0 g/L (TDS) 0.0 ~ 70.0 ppt (Salt)	J : -328.0 °F ~ 2010 °F (-200.0 °C ~ 1099 °C) K : -328.0 °F ~ 2500 °F (-200.0 °C ~ 1371 °C) T : -328.0 °F ~ 752 °F (-200.0 °C ~ 400 °C)
Resolution	0.01 pH (pH) 1 mV (ORP)	0.1 µS/cm, 1 µS/cm, 0.01 mS/cm, 0.1 mS/cm (Cond) 0.1 mg/L, 1 mg/L, 0.01 g/L, 0.1 g/L (TDS) 0.1 ppt (Salt)	J : 0.1 °F (-328.0 °F ~ 392.0 °F); 1 °F (393 °F ~ 2010 °F); 0.1 °C (-200.0 °C ~ 200.0 °C); 1 °C (201 °C ~ 1099 °C) K : 0.1 °F (-328.0 °F ~ 392.0 °F); 1 °F (393 °F ~ 2500 °F); 0.1 °C (-200.0 °C ~ 200.0 °C); 0.1 °C (201 °C ~ 1371 °C) T : 0.1 °F (-328.0 °F ~ 392.0 °F); 1 °F (393 °F ~ 752 °F); 0.1 °C (-200.0 °C ~ 200.0 °C) 1 °C (201 °C ~ 400 °C)
Accuracy	±0.1% F.S. ± 2 digits (pH) ±0.1% F.S. ± 2 digits (ORP)	0.0 ~ 499.9 µS/cm (±1% of reading ± 2 µS/cm) (Cond) 500 ~ 4999 µS/cm (±1% of reading ± 5 µS/cm) (Cond) 5.00 ~ 49.99 mS/cm (±1% of reading ± 0.05 mS/cm) (Cond) 50.0 ~ 200.0 mS/cm (±2.5% of reading ± 0.5 mS/cm) (Cond) ±1% of reading (TDS) ±0.2% F.S. (Salt)	±0.1% F.S. ± 1.4 °F ±0.1% F.S. ± 0.7 °C
Temp Range	-10.0 ~ 120.0 °C	-10.0 ~ 90.0 °C	NA
Temp Resolution	0.1 °C	0.1 °C	NA
Temp Accuracy	±0.5 °C	±0.2 °C or ±0.4% F.S., whichever is greater.	NA
Calibration	2 or 3 points	1 point	NA
pH Buffer Recognition	USA, NIST	NA	NA
ATC	Auto and manual	Auto	NA
Cell Constant	NA	0.475 (4 Wire)	NA
Input Impedance	1 X 10 ¹² Ω	NA	NA
Reference Temperature	NA	15.0 ~ 25.0 °C	NA
Temperature Coefficient	NA	0.00% ~ 4.00%	NA
TDS Factor	NA	0.30 ~ 1.00	NA
Screen	Segment LCD	Segment LCD	Segment LCD
Data Memory	NA	NA	NA
Auto Shut Off	NA	NA	NA
Battery Life	1000 hrs	400 hrs	500 hrs
Power Supply	AAA X 4	AAA X 4	AAA X 4
Waterproof	IP67	IP67	IP67
Dimensions	75 X 157 X 35 mm	75 X 157 X 35 mm	75 X 157 X 35 mm