

Model 648 pH/ORP Sensor

Specifications	Model 648	Model 648-4(X)	Model 648-5HF	Model 648-6
Measurement Range	pH: 0 to 14	ORP: -2000 mV to 2000 mV	pH: 0 to 12	pH: 0 to 14
Sensing Element Temperature Range	0 °C to 130 °C (32 °F to 266 °F)	0 °C to 90 °C (32 °F to 194 °F)	0 °C to 105 °C (32 °F to 221 °F)	0 °C to 90 °C (32 °F to 194 °F)
Sensing Element	Rugged glass tip	-4 (P) = Platinum -4(G) = Gold	H.F. Resistant glass tip	Flat glass tip
Wetted Materials	PVDF, PTFE, Viton, Glass	PVDF, Platinum or Gold, PTFE, Viton, Glass (Platinum only)	PVDF, PTFE, Viton, Glass	PVDF, PTFE, Viton, Glass
Process Connections	0.75 in FNPT submersion pipe mount	0.75 in FNPT submersion pipe mount	0.75 in FNPT submersion pipe mount	0.75 in FNPT submersion pipe mount
Electrode Dimensions	Length: 22.9 cm (9 in) Diameter: 3.3 cm (1.3 in)	Length: 22.9 cm (9 in) Diameter: 3.3 cm (1.3 in)	Length: 22.9 cm (9 in) Diameter: 3.3 cm (1.3 in)	Length: 22.9 cm (9 in) Diameter: 3.3 cm (1.3 in)
Sensor Cable	3.0 m (10.0 ft) with BNC connector; 4 Conductor or 2 Conductor (no temperature compensation)	3.0 m (10.0 ft) with BNC connector; 4 Conductor or 2 Conductor (no temperature compensation)	3.0 m (10.0 ft) with BNC connector; 4 Conductor or 2 Conductor (no temperature compensation)	3.0 m (10.0 ft) with BNC connector; 4 Conductor or 2 Conductor (no temperature compensation)
Preamplifier	Remote or internal	Remote or internal	Remote or internal	Remote or internal
Weight	0.9 kg (2.0 lb)	0.9 kg (2.0 lb)	0.9 kg (2.0 lb)	0.9 kg (2.0 lb)
Shipping Weight	1.8 kg (4.0 lb)	1.8 kg (4.0 lb)	1.8 kg (4.0 lb)	1.8 kg (4.0 lb)
Shipping Dimensions	41 cm × 15 cm × 15cm (16 in × 6 in × 6 in)	41 cm × 15 cm × 15cm (16 in × 6 in × 6 in)	41 cm × 15 cm × 15cm (16 in × 6 in × 6 in)	41 cm × 15 cm × 15cm (16 in × 6 in × 6 in)
<i>Above shipping specifications are based on a standard configuration single sensor.</i>				