

MODEL 642 PROCESS COMBINATION pH/ORP SENSOR Specification

<i>Specifications</i>	<i>Model 642</i>	<i>Model 642-1</i>	<i>Model 642-3</i>	<i>Model 642-4(X)</i>	<i>Model 642-5</i>	<i>Model 642-6</i>
Measurement Range	pH: 0 to 12	pH: 0 to 12	pH: 0 to 14	ORP: -2000 mV to 2000 mV	pH: 0 to 12	pH: 0 to 12
Temperature Range	10 °C to 90 °C (50 °F to 194 °F)	20 °C to 105 °C (68 °F to 221 °F)	10 °C to 105 °C (50 °F to 221 °F)	10 °C to 90 °C (50 °F to 194 °F)	20 °C to 130 °C (68 °F to 266 °F)	10 °C to 90 °C (50 °F to 194 °F)
Sensing Element	General-purpose glass	Ruggedized high-temperature glass	High-pH glass	-4 (P) = Platinum -4(G) = Gold	Extra-rugged glass	Flat glass
Wetted Materials	CPVC or PVDF, Wood or PTFE, Viton, Glass	CPVC or PVDF, Wood or PTFE, Viton, Glass	CPVC or PVDF, Wood or PTFE, Viton, Glass	CPVC or PVDF, Wood or PTFE, Gold or Platinum, Viton, Glass (Platinum only)	CPVC or PVDF, Wood or PTFE, Viton, Glass	CPVC or PVDF, Wood or 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	0.75 in FNPT submersion pipe mount	0.75 in FNPT submersion pipe mount
Electrode Dimensions	<i>Length:</i> 30.5 cm (12.0 in) <i>Diameter:</i> 3.3 cm (1.3 in)	<i>Length:</i> 30.5 cm (12.0 in) <i>Diameter:</i> 3.3 cm (1.3 in)	<i>Length:</i> 30.5 cm (12.0 in) <i>Diameter:</i> 3.3 cm (1.3 in)	<i>Length:</i> 30.5 cm (12.0 in) <i>Diameter:</i> 3.3 cm (1.3 in)	<i>Length:</i> 30.5 cm (12.0 in) <i>Diameter:</i> 3.3 cm (1.3 in)	<i>Length:</i> 30.5 cm (12.0 in) <i>Diameter:</i> 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)	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	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)	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)	1.8 kg (4.0 lb)	1.8 kg (4.0 lb)
Shipping Dimensions	81 cm × 15 cm × 15 cm (32 in × 6 in × 6 in)	81 cm × 15 cm × 15 cm (32 in × 6 in × 6 in)	81 cm × 15 cm × 15 cm (32 in × 6 in × 6 in)	81 cm × 15 cm × 15 cm (32 in × 6 in × 6 in)	81 cm × 15 cm × 15 cm (32 in × 6 in × 6 in)	81 cm × 15 cm × 15 cm (32 in × 6 in × 6 in)

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