

## MODEL 614 TRUE-UNION pH/ORP SENSOR Specification

<i>Specifications</i>	<i>Model 614</i>	<i>Model 614-1</i>	<i>Model 614-3</i>	<i>Model 614-4(X)</i>	<i>Model 614-5</i>	<i>Model 614-6</i>
<b>Measurement Range</b>	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
<b>Temperature Range</b>	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)
<b>Sensing Element</b>	General-purpose glass	Ruggedized high-temperature glass	High-pH glass tip	-4 (P) = Platinum -4(G) = Gold	Extra-rugged glass tip	Flat glass tip
<b>Wetted Materials</b>	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, Platinum or Gold, Wood or PTFE, Viton, Glass (Platinum only)	CPVC or PVDF, Wood or PTFE, Viton, Glass	CPVC or PVDF, Wood or PTFE, Viton, Glass
<b>Process Connections</b>	0.50 in FNPT submersion pipe mount; Universal	0.50 in FNPT submersion pipe mount; Universal	0.50 in FNPT submersion pipe mount; Universal	0.50 in FNPT submersion pipe mount; Universal	0.50 in FNPT submersion pipe mount; Universal	0.50 in FNPT submersion pipe mount; Universal
<b>Pressure &amp; Temperature Limits at Insertion</b>	<i>Option -26:</i> 414 kPa at 90 °C (60 psi at 194 °F) <i>Option -28:</i> 689 kPa at 150 °C (100 psi at 302 °F) <i>Option -29:</i> 689 kPa at 110 °C (100 psi at 230 °F)	<i>Option -26:</i> 414 kPa at 90 °C (60 psi at 194 °F) <i>Option -28:</i> 689 kPa at 150 °C (100 psi at 302 °F) <i>Option -29:</i> 689 kPa at 110 °C (100 psi at 230 °F)	<i>Option -26:</i> 414 kPa at 90 °C (60 psi at 194 °F) <i>Option -28:</i> 689 kPa at 150 °C (100 psi at 302 °F) <i>Option -29:</i> 689 kPa at 110 °C (100 psi at 230 °F)	<i>Option -26:</i> 414 kPa at 90 °C (60 psi at 194 °F) <i>Option -28:</i> 689 kPa at 150 °C (100 psi at 302 °F) <i>Option -29:</i> 689 kPa at 110 °C (100 psi at 230 °F)	<i>Option -26:</i> 414 kPa at 90 °C (60 psi at 194 °F) <i>Option -28:</i> 689 kPa at 150 °C (100 psi at 302 °F) <i>Option -29:</i> 689 kPa at 110 °C (100 psi at 230 °F)	<i>Option -26:</i> 414 kPa at 90 °C (60 psi at 194 °F) <i>Option -28:</i> 689 kPa at 150 °C (100 psi at 302 °F) <i>Option -29:</i> 689 kPa at 110 °C (100 psi at 230 °F)
<b>Electrode Dimensions</b>	<i>Length:</i> 16.5 cm (6.5 in) <i>Diameter:</i> 2.3 cm (0.9 in)	<i>Length:</i> 16.5 cm (6.5 in) <i>Diameter:</i> 2.3 cm (0.9 in)	<i>Length:</i> 16.5 cm (6.5 in) <i>Diameter:</i> 2.3 cm (0.9 in)	<i>Length:</i> 16.5 cm (6.5 in) <i>Diameter:</i> 2.3 cm (0.9 in)	<i>Length:</i> 16.5 cm (6.5 in) <i>Diameter:</i> 2.3 cm (0.9 in)	<i>Length:</i> 16.5 cm (6.5 in) <i>Diameter:</i> 2.3 cm (0.9 in)
<b>Sensor Cable</b>	1.5 m (5.0 ft) with BNC connector; 4 Conductor or 2 Conductor (no temperature compensation)	1.5 m (5.0 ft) with BNC connector; 4 Conductor or 2 Conductor (no temperature compensation)	1.5 m (5.0 ft) with BNC connector; 4 Conductor or 2 Conductor (no temperature compensation)	1.5 m (5.0 ft) with BNC connector; 4 Conductor or 2 Conductor (no temperature compensation)	1.5 m (5.0 ft) with BNC connector; 4 Conductor or 2 Conductor (no temperature compensation)	1.5 m (5.0 ft) with BNC connector; 4 Conductor or 2 Conductor (no temperature compensation)
<b>Preamplifier</b>	Remote	Remote	Remote	Remote	Remote	Remote
<b>Weight</b>	0.5 kg (1.1 lb)	0.5 kg (1.1 lb)	0.5 kg (1.1 lb)	0.5 kg (1.1 lb)	0.5 kg (1.1 lb)	0.5 kg (1.1 lb)
<b>Shipping Weight</b>	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)
<b>Shipping Dimensions</b>	30 cm × 23 cm × 23cm (12 in × 9 in × 9 in)	30 cm × 23 cm × 23cm (12 in × 9 in × 9 in)	30 cm × 23 cm × 23cm (12 in × 9 in × 9 in)	30 cm × 23 cm × 23cm (12 in × 9 in × 9 in)	30 cm × 23 cm × 23cm (12 in × 9 in × 9 in)	30 cm × 23 cm × 23cm (12 in × 9 in × 9 in)

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