

MODEL 605 SS BALL VALVE pH/ORP SENSOR Specification

<i>Specifications</i>	<i>Model 605</i>	<i>Model 605-1</i>	<i>Model 605-3</i>	<i>Model 605-4(X)</i>	<i>Model 605-5</i>	<i>Model 605-6</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	Stainless Steel or Titanium, CPVC or PVDF, Wood or PTFE, Viton, Glass	Stainless Steel or Titanium, CPVC or PVDF, Wood or PTFE, Viton, Glass	Stainless Steel or Titanium, CPVC or PVDF, Wood or PTFE, Viton, Glass	Stainless Steel or Titanium, CPVC or PVDF, Wood or PTFE, Viton, Platinum or Gold, Glass (Platinum only)	Stainless Steel or Titanium, CPVC or PVDF, Wood or PTFE, Viton, Glass	Stainless Steel or Titanium, CPVC or PVDF, Wood or PTFE, Viton, Glass
Process Connections	0.75 in MNPT for direct insertion; 1.0 in MNPT via ball valve	0.75 in MNPT for direct insertion; 1.0 in MNPT via ball valve	0.75 in MNPT for direct insertion; 1.0 in MNPT via ball valve	0.75 in MNPT for direct insertion; 1.0 in MNPT via ball valve	0.75 in MNPT for direct insertion; 1.0 in MNPT via ball valve	0.75 in MNPT for direct insertion; 1.0 in MNPT via ball valve
Pressure & Temperature Limits at Insertion	689 kPa at 100 °C (100 psi at 212 °F)	689 kPa at 100 °C (100 psi at 212 °F)	689 kPa at 100 °C (100 psi at 212 °F)	689 kPa at 100 °C (100 psi at 212 °F)	689 kPa at 100 °C (100 psi at 212 °F)	689 kPa at 100 °C (100 psi at 212 °F)
Electrode Dimensions	<i>Length:</i> 41.9 cm (16.5 in) <i>Diameter:</i> 1.9 cm (0.75 in)	<i>Length:</i> 41.9 cm (16.5 in) <i>Diameter:</i> 1.9 cm (0.75 in)	<i>Length:</i> 41.9 cm (16.5 in) <i>Diameter:</i> 1.9 cm (0.75 in)	<i>Length:</i> 41.9 cm (16.5 in) <i>Diameter:</i> 1.9 cm (0.75 in)	<i>Length:</i> 41.9 cm (16.5 in) <i>Diameter:</i> 1.9 cm (0.75 in)	<i>Length:</i> 41.9 cm (16.5 in) <i>Diameter:</i> 1.9 cm (0.75 in)
Ball Valve (BV) Electrode Dimensions	<i>Retracted BV length:</i> 68.8 cm (27.0 in) <i>Inserted BV length:</i> 55.9 cm (22.0 in)	<i>Retracted BV length:</i> 68.8 cm (27.0 in) <i>Inserted BV length:</i> 55.9 cm (22.0 in)	<i>Retracted BV length:</i> 68.8 cm (27.0 in) <i>Inserted BV length:</i> 55.9 cm (22.0 in)	<i>Retracted BV length:</i> 68.8 cm (27.0 in) <i>Inserted BV length:</i> 55.9 cm (22.0 in)	<i>Retracted BV length:</i> 68.8 cm (27.0 in) <i>Inserted BV length:</i> 55.9 cm (22.0 in)	<i>Retracted BV length:</i> 68.8 cm (27.0 in) <i>Inserted BV length:</i> 55.9 cm (22.0 in)
Maximum Electrode Insertion Depth	22.9 cm (9.0 in)	22.9 cm (9.0 in)	22.9 cm (9.0 in)	22.9 cm (9.0 in)	22.9 cm (9.0 in)	22.9 cm (9.0 in)
Preamplifier	Remote	Remote	Remote	Remote	Remote	Remote
Weight	2.3 kg (5.0 lb)	2.3 kg (5.0 lb)	2.3 kg (5.0 lb)	2.3 kg (5.0 lb)	2.3 kg (5.0 lb)	2.3 kg (5.0 lb)
Shipping Weight	3.6 kg (8.0 lb)	3.6 kg (8.0 lb)	3.6 kg (8.0 lb)	3.6 kg (8.0 lb)	3.6 kg (8.0 lb)	3.6 kg (8.0 lb)
Shipping Dimensions	81 cm × 15 cm × 15cm (32 in × 6 in × 6 in)	81 cm × 15 cm × 15cm (32 in × 6 in × 6 in)	81 cm × 15 cm × 15cm (32 in × 6 in × 6 in)	81 cm × 15 cm × 15cm (32 in × 6 in × 6 in)	81 cm × 15 cm × 15cm (32 in × 6 in × 6 in)	81 cm × 15 cm × 15cm (32 in × 6 in × 6 in)

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