

## MODEL 615 PURE WATER pH SENSOR Specification

<i>Specifications</i>	<i>Model 615</i>	<i>Model 615-21</i>	<i>Model 615-5-21-73</i>	<i>Model 615-21-24-25</i>	<i>Model 615-21-24-26</i>
<b>Application</b>	Sensor Only	Sensor and Flow-cell	Temperature > 95 °C	Condensates (Cooled)	Ultra Pure (Cooled)
<b>Sample Conductivity</b>	> 15 µS/cm	> 15 µS/cm	> 15 µS/cm	< 15 µS/cm	< 1 µS/cm
<b>Temperature Range</b>	0 °C to 100 °C (32 °F to 212 °F)	0 °C to 100 °C (32 °F to 212 °F)	20 °C to 130 °C (68 °F to 266 °F)	0 °C to 66 °C (32 °F to 151 °F)	0 °C to 66 °C (32 °F to 151 °F)
<b>Pressure Range</b>	0 kPa to 689 kPa (0 psi to 100 psi)	0 kPa to 689 kPa (0 psi to 100 psi)	0 kPa to 689 kPa (0 psi to 100 psi)	0 kPa to 689 kPa (0 psi to 100 psi)	0 kPa to 689 kPa (0 psi to 100 psi)
<b>Sensing Element</b>	General-purpose flat pH glass	General-purpose flat pH glass	Extra-rugged high temperature pH glass	General-purpose flat pH glass	General-purpose flat pH glass
<b>Wetted Materials</b>	CPVC, PTFE, Glass	Stainless steel, CPVC, PTFE, Glass	Stainless steel, PVDF, PTFE, Glass	Stainless steel, PVC, CPVC, PTFE, Tygon, Viton, Glass	Stainless steel, PVC, CPVC, PTFE, Tygon, Viton, EPDM, Buna-N, Acetal, Noryl, Acrylic, Polypropylene, Glass
<b>Process Connections</b>	Electrode fits inside a stainless steel housing option - 21	Electrode fits inside stainless steel housing with 0.25 in inlet & outlet tube connections	Electrode fits inside stainless steel housing with 0.25 in inlet & outlet tube connections	Electrode in adjustable flow sample system, 0.25 in inlet and 0.75 in atmospheric drain	Electrode in a constant head sample system, 0.25 in inlet and 0.75 in atmospheric drain
<b>Optimal Flow Velocity</b>	20 to 40 mL/min max 500 mL/min	20 to 40 mL/min max 500 mL/min	20 to 40 mL/min max 500 mL/min	20 to 40 mL/min max 200 mL/min	20 to 40 mL/min max 100 mL/min
<b>Electrode Dimensions</b>	<i>Length:</i> 17.2 cm (6.75 in) <i>Diameter:</i> 2.3 cm (0.90 in)	<i>Length:</i> 17.2 cm (6.75 in) <i>Diameter:</i> 2.3 cm (0.90 in)	<i>Length:</i> 17.2 cm (6.75 in) <i>Diameter:</i> 2.3 cm (0.90 in)	<i>Length:</i> 17.2 cm (6.75 in) <i>Diameter:</i> 2.3 cm (0.90 in)	<i>Length:</i> 17.2 cm (6.75 in) <i>Diameter:</i> 2.3 cm (0.90 in)
<b>Flow cell / Sample System Dimensions</b>	Electrode only	<i>Length:</i> 19.1 cm (7.5 in) <i>Diameter:</i> 3.33 cm (1.31 in) <i>Maximum Diameter:</i> 5.72 cm (2.25 in):	<i>Length:</i> 19.1 cm (7.5 in) <i>Diameter:</i> 3.33 cm (1.31 in) <i>Maximum Diameter:</i> 5.72 cm (2.25 in):	<i>Length:</i> 66 cm (26 in) <i>Width:</i> 35.6 cm (14 in) <i>Height:</i> 15.3 cm (6 in):	<i>Length:</i> 66 cm (26 in) <i>Width:</i> 35.6 cm (14 in) <i>Height:</i> 15.3 cm (6 in):
<b>Sensor Cable</b>	Double shielded coaxial conductor; 1.8 m (6 ft) length with BNC connector	Double shielded coaxial conductor; 1.8 m (6 ft) length with BNC connector	Double shielded coaxial conductor; 1.8 m (6 ft) length with BNC connector	Double shielded coaxial conductor; 0.5 m (18 in) length with BNC connector	Double shielded coaxial conductor; 0.5 m (18 in) length with BNC connector
<b>Preamplifier</b>	Remote	Remote	Remote	Remote	Remote
<b>Weight</b>	0.45 kg (1.0 lb)	0.9 kg (2.0 lb)	0.9 kg (2.0 lb)	10.9 kg (24.0 lb)	12.7 kg (28.0 lb)
<b>Shipping Weight</b>	0.90 kg (2.0 lb)	1.8 kg (4.0 lb)	1.8 kg (4.0 lb)	11.8 kg (26.0 lb)	13.6 kg (30.0 lb)
<b>Shipping Dimensions</b>	31 cm × 23 cm × 23 cm (12in × 9 in × 9 in)	31 cm × 23 cm × 23 cm (12in × 9 in × 9 in)	31 cm × 23 cm × 23 cm (12in × 9 in × 9 in)	71 cm × 41 cm × 20 cm (28 in × 16 in × 8 in)	71 cm × 41 cm × 20 cm (28 in × 16 in × 8 in)

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