

## MODEL 404 GENERAL PURPOSE CONDUCTIVITY SENSOR Specification

<i>Specifications</i>	<i>Model 404-0.1</i>	<i>Model 404-0.2</i>	<i>Model 404-1.0</i>	<i>Model 404-2.0</i>
<b>Measurement Range</b>	10 µS/cm to 1 000 µS/cm	20 µS/cm to 2 000 µS/cm	100 µS/cm to 10 000 µS/cm	200 µS/cm to 20 000 µS/cm
<b>Temperature Range</b>	0 °C to 90 °C (32 °F to 194 °F)	0 °C to 90 °C (32 °F to 194 °F)	0 °C to 90 °C (32 °F to 194 °F)	0 °C to 90 °C (32 °F to 194 °F)
<b>Pressure Range</b>	0 MPa to 1.21 MPa (0 psi to 175 psi)	0 MPa to 1.21 MPa (0 psi to 175 psi)	0 MPa to 1.21 MPa (0 psi to 175 psi)	0 MPa to 1.21 MPa (0 psi to 175 psi)
<b>Sensing Element</b>	Titanium	Titanium	Titanium	Titanium
<b>Wetted Materials</b>	CPVC, Titanium, Viton	CPVC, Titanium, Viton	CPVC, Titanium, Viton	CPVC, Titanium, Viton
<b>Temperature Sensor</b>	1000 Ω PT RTD	1000 Ω PT RTD	1000 Ω PT RTD	1000 Ω PT RTD
<b>Process Connections</b>	1.0 in MNPT dual threaded design; Universal	1.0 in MNPT dual threaded design; Universal	1.0 in MNPT dual threaded design; Universal	1.0 in MNPT dual threaded design; Universal
<b>Pressure &amp; Temperature Limits at Insertion</b>	0.414 MPa at 60 °C (60 psi at 140 °F) to 1.21 MPa at 38 °C (175 psi at 100 °F)	0.414 MPa at 60 °C (60 psi at 140 °F) to 1.21 MPa at 38 °C (175 psi at 100 °F)	0.414 MPa at 60 °C (60 psi at 140 °F) to 1.21 MPa at 38 °C (175 psi at 100 °F)	0.414 MPa at 60 °C (60 psi at 140 °F) to 1.21 MPa at 38 °C (175 psi at 100 °F)
<b>Electrode Dimensions</b>	<i>Length:</i> 7.6 cm (3.0 in) <i>Diameter:</i> 2.5 cm (1.0 in)	<i>Length:</i> 7.6 cm (3.0 in) <i>Diameter:</i> 2.5 cm (1.0 in)	<i>Length:</i> 7.6 cm (3.0 in) <i>Diameter:</i> 2.5 cm (1.0 in)	<i>Length:</i> 7.6 cm (3.0 in) <i>Diameter:</i> 2.5 cm (1.0 in)
<b>Sensor Cable</b>	4 conductor plus shield; 3.0 m (10.0 ft) in length	4 conductor plus shield; 3.0 m (10.0 ft) in length	4 conductor plus shield; 3.0 m (10.0 ft) in length	4 conductor plus shield; 3.0 m (10.0 ft) in length
<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)
<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)
<b>Shipping Dimensions</b>	30 cm × 23 cm × 23 cm (12 in × 9 in × 9 in)	30 cm × 23 cm × 23 cm (12 in × 9 in × 9 in)	30 cm × 23 cm × 23 cm (12 in × 9 in × 9 in)	30 cm × 23 cm × 23 cm (12 in × 9 in × 9 in)