

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>
Measurement Range	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
Temperature Range	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)
Pressure Range	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)
Sensing Element	Titanium	Titanium	Titanium	Titanium
Wetted Materials	CPVC, Titanium, Viton	CPVC, Titanium, Viton	CPVC, Titanium, Viton	CPVC, Titanium, Viton
Temperature Sensor	1000 Ω PT RTD	1000 Ω PT RTD	1000 Ω PT RTD	1000 Ω PT RTD
Process Connections	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
Pressure & Temperature Limits at Insertion	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)
Electrode Dimensions	<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)
Sensor Cable	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
Weight	0.5 kg (1.1 lb)	0.5 kg (1.1 lb)	0.5 kg (1.1 lb)	0.5 kg (1.1 lb)
Shipping 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)
Shipping Dimensions	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)