

MODEL 401 HOT CONDENSATE CONDUCTIVITY SENSOR Specifications

Specifications	401-0.1	401-0.2	401-1.0	401-2.0	Option -62	Option -73	Option -77
Applications	Clean Hot Condensate	Lightly Contaminated Condensate	Contaminated Hot Condensate	Non- Condensate Hot Application	Very Hot Application	316 SS Flow Cell for Sample Flow Systems	Basic Sensor Only
Measurement Range $\mu\text{S}/\text{cm}$	1 to 100	2 to 200	10 to 1000	20 to 2000	See Sensor Selected	See Sensor Selected	See Sensor Selected
Other Useable $\mu\text{S}/\text{cm}$ Ranges	0.1 to 10 10 to 1 000	0.2 to 20 20 to 2 000	1 to 100 100 to 10000	2 to 200 200 to 20 000	See Sensor Selected	See Sensor Selected	See Sensor Selected
Temperature Range	0 °C to 150 °C (32 °F to 302 °F)	0 °C to 150 °C (32 °F to 302 °F)	0 °C to 150 °C (32 °F to 302 °F)	0 °C to 150 °C (32 °F to 302 °F)	0 °C to 200 °C (32 °F to 392 °F)	0 °C to 200 °C (32 °F to 392 °F)	0 °C to 200 °C (32 °F to 392 °F)
Pressure Range	0 MPa to 2.8 MPa (0 psi to 400 psi)	0 MPa to 2.8 MPa (0 psi to 400 psi)	0 MPa to 2.8 MPa (0 psi to 400 psi)	0 MPa to 2.8 MPa (0 psi to 400 psi)	0 MPa to 1.75 MPa (0 psi to 250 psi)	0 MPa to 2.8 MPa (0 psi to 400 psi)	0 MPa to 2.8 MPa (0 psi to 400 psi)
Combined Pressure & Temperature Limits	2.8 MPa at 100 °C (400 psi at 212 °F) to 1.75 MPa at 150 °C (250 psi at 302 °F)	2.8 MPa at 100 °C (400 psi at 212 °F) to 1.75 MPa at 150 °C (250 psi at 302 °F)	2.8 MPa at 100 °C (400 psi at 212 °F) to 1.75 MPa at 150 °C (250 psi at 302 °F)	2.8 MPa at 100 °C (400 psi at 212 °F) to 1.75 MPa at 150 °C (250 psi at 302 °F)	2.8 MPa at 100 °C (400 psi at 212 °F) to 1.75 Mpa, 200°C (250 psi at 392 °F)	See Sensor Selected	2.8 MPa at 100 °C (400 psi at 212 °F) to 1.75 MPa at 150 °C (250 psi at 302 °F)
Sensing Element	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel	See Sensor Selected	Stainless Steel
Wetted Materials	Stainless Steel, PEEK, Viton	Stainless Steel, PEEK, Viton	Stainless Steel, PEEK, Viton	Stainless Steel, PEEK, Viton	Stainless Steel, PEEK, EPDM	See Sensor Selected	Stainless Steel, PEEK, Viton
Temperature Sensor	1000 Ω Pt RTD	1000 Ω Pt RTD	1000 Ω Pt RTD	1000 Ω Pt RTD	1000 Ω Pt RTD	See Sensor Selected	1000 Ω Pt RTD
Process Connections	3/4 inch MNPT for Direct Insertion	3/4 inch MNPT for Direct Insertion	3/4 inch MNPT for Direct Insertion	3/4 inch MNPT for Direct Insertion	3/4 inch MNPT for Direct Insertion	1/8 inch FNPT inlet and outlet	3/4 inch MNPT for Direct Insertion
Insertion Length	0.0 cm (0.0 in) Flat Button	0.0 cm (0.0 in) Flat Button	3.18 cm (1.25 in)	3.18 cm (1.25 in)	See Sensor Selected	See Sensor Selected	See Sensor Selected
Electrode Dimensions	<i>Length:</i> 15.2 cm (6.00 in) <i>Diameter:</i> 2.69 cm (1.06 in) <i>J-Box Diameter:</i> 9.5 cm (3.75 in)	<i>Length:</i> 15.2 cm (6.00 in) <i>Diameter:</i> 2.69 cm (1.06 in) <i>J-Box Diameter:</i> 9.5 cm (3.75 in)	<i>Length:</i> 15.2 cm (6.00 in) <i>Diameter:</i> 2.69 cm (1.06 in) <i>J-Box Diameter:</i> 9.5 cm (3.75 in)	<i>Length:</i> 15.2 cm (6.00 in) <i>Diameter:</i> 2.69 cm (1.06 in) <i>J-Box Diameter:</i> 9.5 cm (3.75 in)	<i>Length:</i> 15.2 cm (6.00 in) <i>Diameter:</i> 2.69 cm (1.06 in) <i>J-Box Diameter:</i> 9.5 cm (3.75 in)	Flow Cell Only <i>Length:</i> 16.5cm (6.5 in) <i>Diameter:</i> 3.35 cm (1.32 in)	<i>Length:</i> 22.9 cm (9.0 in) <i>Diameter:</i> 1.91 cm (0.75 in) <i>J-Box Dia:</i> J-Box not included
Weight	0.91 kg (2.0 lb)	0.91 kg (2.0 lb)	0.91 kg (2.0 lb)	0.91 kg (2.0 lb)	0.91 kg (2.0 lb)	0.55 kg (1.2 lb)	0.88 kg (2.0 lb)
Shipping Weight	1.36 kg (3.0 lb)	1.36 kg (3.0 lb)	1.36 kg (3.0 lb)	1.36 kg (3.0 lb)	1.36 kg (3.0 lb)	0.95 kg (2.1 lb)	1.2 kg (2.6 lb)
Shipping Dimensions	30 cm x 23 cm x 23 cm (12 in x 9 in x 9 in)	30 cm x 23 cm x 23 cm (12 in x 9 in x 9 in)	30 cm x 23 cm x 23 cm (12 in x 9 in x 9 in)	30 cm x 23 cm x 23 cm (12 in x 9 in x 9 in)	30 cm x 23 cm x 23 cm (12 in x 9 in x 9 in)	30 cm x 23 cm x 23 cm (12 in x 9 in x 9 in)	30 cm x 23 cm x 23 cm (12 in x 9 in x 9 in)

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