

## Ball Valve Sensor

### SELECTION GUIDE

MODEL 403	<b>BASIC DESCRIPTION (Ball Valve Retractable Conductivity Sensor)</b>	
	High purity industrial conductivity sensor with 12 inch cable for use with junction box (option -22), includes IC CONTROLS temperature compensator, 0 °C to 150 °C (32 °F to 302 °F), 316SS and PEEK construction for 2.8 MPa (400 psi) at 100 °C (212 °F) or 1.75 MPa (250 psi) at 150 °C (302 °F). Process connection ¼ inch MNPT. Includes one instruction manual.	
	<b>ADD</b>	<b>SENSOR CONSTANT OPTIONS and SUGGESTED RANGE</b>
	-0.01	0.01/cm sensor constant, 0.0 µS/cm to 100 µS/cm.
	-0.02	0.02/cm sensor constant, 0.0 µS/cm to 200 µS/cm.
	-0.1	0.1/cm sensor constant, 10 µS/cm to 1,000 µS/cm.
	-0.2	0.2/cm sensor constant, 20 µS/cm to 2,000 µS/cm.
	-1.0	1.0/cm sensor constant, 100 µS/cm to 10,000 µS/cm.
	-2.0	2.0/cm sensor constant, 200 µS/cm to 20,000 µS/cm.
	-5.0	5.0/cm sensor constant, 500 µS/cm to 50,000 µS/cm.
	<b>ADD</b>	<b>OPTIONS</b>
	-19(x)	Extra long body, specify body length, (x) inch; price per inch × [(x) - 17]
	-21	Retraction ball valve, max pressure 689 kPa (100 psi), fittings, safety lanyards, P/N A2100052
	-22	Integral mounted explosion proof UL & CSA J-Box and terminal strip.
	-71(x)	Long sensor cable, max 30 m (100 ft), 100 °C (212 °F) max; specify (x) feet, price per foot.
	-72(x)	Cable, 400 J-box to analyzer, P/N A9200000, specify (x) feet, price per foot.
	-74	Stainless steel insertion gland fitting, ¼ inch MNPT, P/N A3100002.
	-89	Stainless steel tag.
	-90	100 µS/cm standard, 500 mL bottle, P/N A1100161
	-91	1,000 µS/cm standard, 500 mL bottle, P/N A1100162
	-92	10,000 µS/cm standard, 500 mL bottle, P/N A1100163
	-93	100,000 µS/cm standard, 500 mL bottle, P/N A1100164
	-97	Conductivity calibration kit for cell constants 0.1/cm to 5.0/cm, P/N A1400052

Sample Order:

403	-1.0	-21-22	r with ball valve assembly and J-box
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DELIVERY estimate for 1-5 units  
(quantity 6 & up, consult factory)

Stock to 3 weeks

403: Most Options

CALIBRATION AND SERVICE SUPPLIES

- 100 µS/cm standard, 500 mL bottle, P/N A1100161
- 1,000 µS/cm standard, 500 mL bottle, P/N A1100162
- 10,000 µS/cm standard, 500 mL bottle, P/N A1100163
- 100,000 µS/cm standard, 500 mL bottle, P/N A1100164

Medium conductivity calibration kit for cell constants 0.1/cm to 5.0/cm, P/N A1400052

See Conductivity Calibrations Kits price page