

ELECTRO - CHEMICAL DEVICES, INC.

23665 Via Del Rio, Yorba Linda, CA 92687 USA

(714) 692-1333 FAX (714) 692-1222

800-729-1333

www.ecdi.com

MODEL CSX1

High Pressure High Temperature Conductivity Sensors

The CSX1 conductivity sensors can be equipped with ceramic, Teflon, PEEK or Polypro insulators depending on the wet process requirements. The end of the sensor is unguarded and therefore the cell constant (near 0.5) may be affected by its' proximity to surrounding pipe or tank materials. When used with ECD transmitter models a 100K ohm fixed resistor is used for temperature stabilization. The standard CSX1 is rated for **230 C and 440 - 660 psig** max. The actual length of the wetted shaft (center conductor) can vary depending on the customer physical application requirement. The process connector, however, is a 3/4" NPT, threaded, fixed fitting.

Standard materials of construction for the CSX1 style conductivity sensor

Sensor housing 316 stainless steel

Insulator: Ceramic

Junction box: Aluminum (rated for hazardous locations Class I, Div I & II Groups E, F, & G.

Optional materials of construction are available depending on the process requirements

For sensor configuration refer to:

Drawing 4035103 for fixed length.

Drawing 4035106 for variable length.

NOTE: For Ultra High temperature/pressures (5Kpsi @ 1.6K F) please contact ECD.