

CHEMTROL® Conductivity/Temperature SENSOR

The CHEMTROL® Conductivity/Temperature sensor offer a compact design that allows installation into standard pipe fittings in small line sizes such as 3/4" and 1", avoiding the need for special flow cells. Simplicity of the design also allows them to be economically offered in exotic metals for especially corrosive chemical applications.

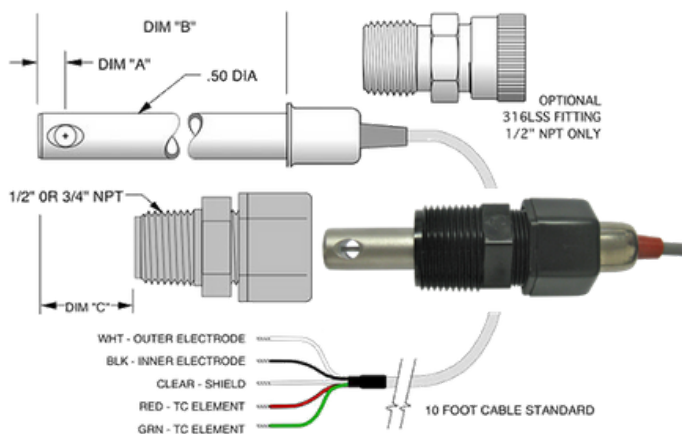
Wetted materials of construction are 316 stainless steel and Teflon, with double o-ring seals at all points. The outer EPDM o-ring bears the brunt of process interface, allowing the back o-ring to maintain reliable sealing free from chemical attack. An integral temperature element tailored to the analyzer of choice allows automatic compensation for maximum accuracy.



FEATURES

Process connections are made via a bored through polypro fitting with 1/2" or 3/4" NPT threads. This fitting can be screwed into a line, or tank, and it can also be turned around and connected to a standpipe for use in a submersion configuration.

The sensor is good for general purpose use up to about 10,000 microsiemens or higher on most analyzers.



SPECIFICATIONS

- **Small size enables convenient installation and service**
- **O-ring seals used on all versions for high on-stream reliability**
- **Plastic gland fitting allows removal and replacement without tools**
- **MAX. PRESSURE/TEMP. RATINGS:**
100 PSIG at 100°C w/POLYPRO
150 PSIG at 120°C w/Kynar
200 PSIG at 120°C w/316SS FITTING
500 PSIG at 100°C w/316SS FITTING
- **WETTED MATERIALS:**
Insulator – Teflon
O-Rings – EPDM FDA APPROVED
Metals – 316LSS Standard; Monel, Titanium and Hastelloy optional.
Fitting – Polypropylene Standard, 316LSS and Kynar optional.

