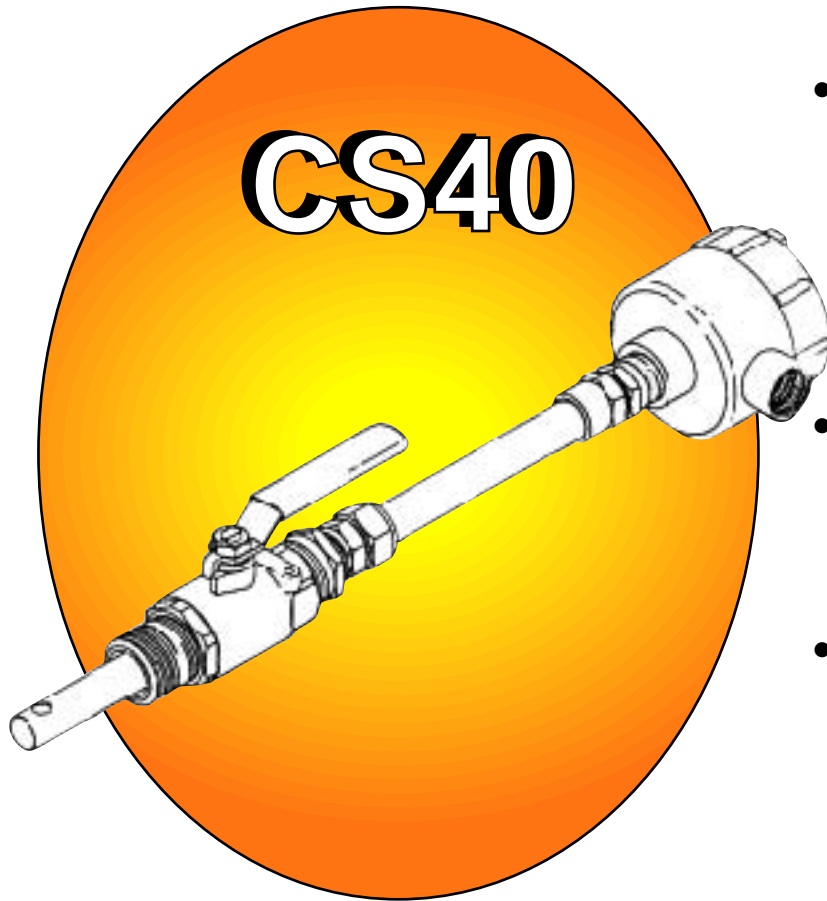


Conductivity/Resistivity Sensor



- Measures Conductivity or Resistivity directly in process temperatures up to 205°C with Hi-Temp Option.
- O-ring seals used on all versions for high on-stream reliability.
- Optional Wet-Tap Valve allows insertion and removal while line is under pressure.

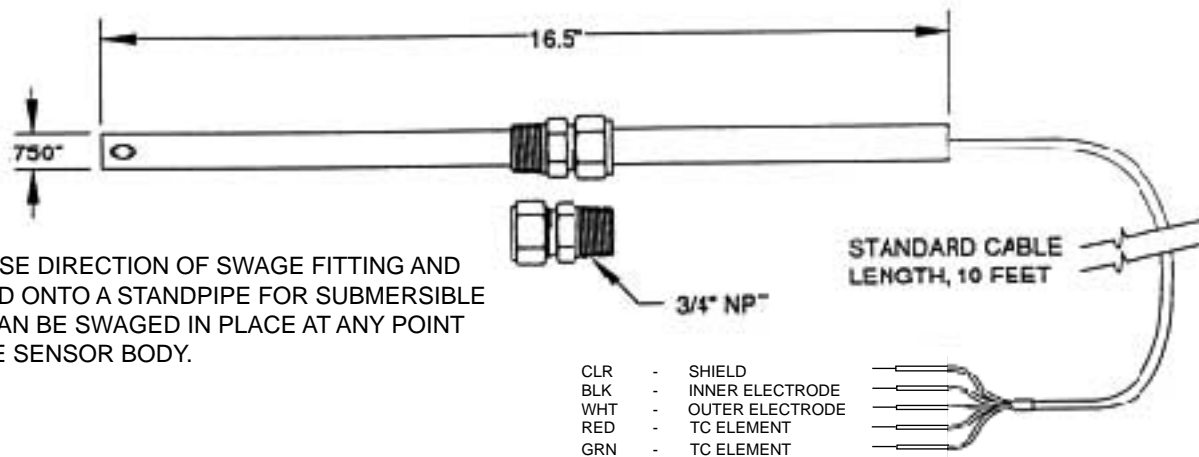
The Myron L Model CS40 sensor has been designed for a broad measurement range in difficult process conditions. It can be installed in submersion, insertion, or wet-tap configurations, and is good for most applications from high purity water to high chemical concentrations.

Application Notes

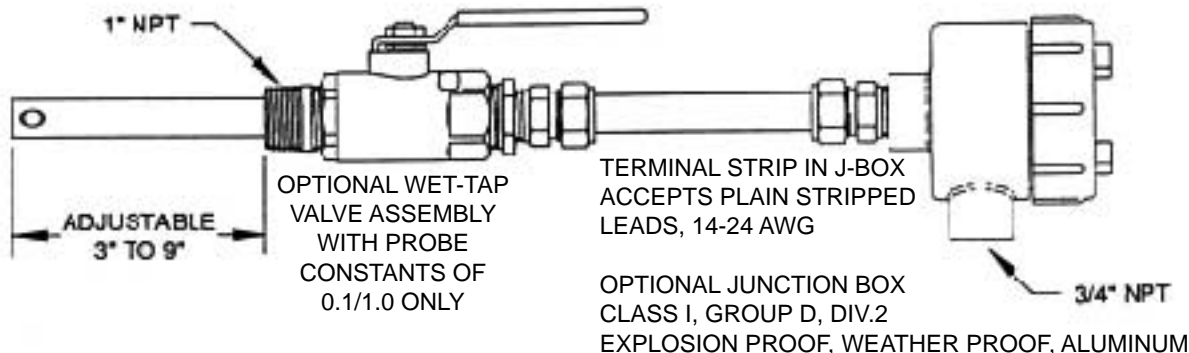
Wetted materials of construction are 316 stainless steel and Kel-F or Teflon*, depending on the range of temperature required. All possible leak paths through the sensor are double sealed with EPR O-rings for maximum on-stream reliability. The front O-rings protect the back ones from chemical attack, giving more than double the service life that can be expected from single sealed units.

Process connections are made via a bored through swage fitting with 3/4" NPT threads. This fitting can be screwed into a line, a tank, or the optional wet-tap valve assembly. It can also be turned around and connected to a standpipe for use in a submersion configuration. Available sensor constants of 0.05, 0.1, 1.0 & 10.0 giving it the broadest range of applications of any of our sensor models.

*™DuPont Company



REVERSE DIRECTION OF SWAGE FITTING AND THREAD ONTO A STANDPIPE FOR SUBMERSIBLE USE. CAN BE SWAGED IN PLACE AT ANY POINT ON THE SENSOR BODY.



SPECIFICATIONS

MAX. PRESSURE/TEMP. RATINGS:

- Standard Sensor - 100 PSIG at 150°C
- Hi T emp. Sensor - 250 PSIG at 205°C
- V alve Assembly - 50 PSIG at all temps

WETTED MATERIALS:

- Insulator - Teflon
- O-Rings - EPR
- Electrodes - 316 Stainless Steel standard, optional materials available upon request

SENSOR CONSTANT:

- Resistivity**
0-200K ohms to 0-20M ohms 0.05
- Conductivity**
0-1 to 0-5 µS/PPM 0.1
0-10 to 0-20,000 µS/PPM 1.0
0-50,000 to 200,000 µS/PPM 10.0

CONNECTIONS:

- Process -**
3/4 " NPT for sensor/1" NPT for valve
- Electrical -**
Plain stripped wire ends, 22-24 ga.

TEMPERATURE COMPENSATION:

- Resistivity 5.49K ohms & 100K ohms @ 25°C.
- Conductivity 10K @ 25°C.

Note: Care must be exercised when using sensor valve assembly above 50 psi. If pressure is above 50 psi when removing sensor, injury and damage may occur. Reduce pressure to prevent hazardous condition

Recommended pressure/temperature with wet tap valve 50 psi & 150°C

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Built On Trust. Founded in 1957, the Myron L Company is one of the world's leading manufacturers of water quality instruments. Because of our commitment to product improvement, changes in design and specifications are possible. You have our assurance any changes will be guided by our product philosophy: accuracy, reliability, and simplicity.

