

Description

The SingleSense® Model SU400 Single-Use Conductivity Sensor is gamma irradiation compatible and designed for preinstallation into a bioprocess container (BPC) via a 1-inch hose barb port. Ideally suited for upstream applications such as media prep and cell culture production.

Model	SU400
Part Number	SU400-16-M1

Sensor Specifications

Measurement Principle	4-electrode sensor
Output Signal	Analog
Measurement Range	0.1 - 100 mS/cm
System Accuracy	0.1 - 1 mS/cm +/- 0.05 mS/cm 1 - 100 mS/cm +/- 5%
Operating Temperature	4°C - 50°C [39°F - 122°F]
Temperature Accuracy	+/- 0.1 °C
Shelf Life	30 months
Gamma Tolerance Level	50 kGy
Process Connection	1-inch hose barb port
Sensor Connector	M12-8
Temperature Sensor	Pt 1000

Wetted Materials

Main Sensor Body	PEEK
Electrodes	Stainless steel 316L
Port Gasket	Dimethyl silicone rubber Pt cure

Regulatory Compliance

USP Class VI	Yes, all wetted parts
REACH Compliant	Yes
RoHS Compliant	Yes
BSE/TSE/ADI Free	Yes

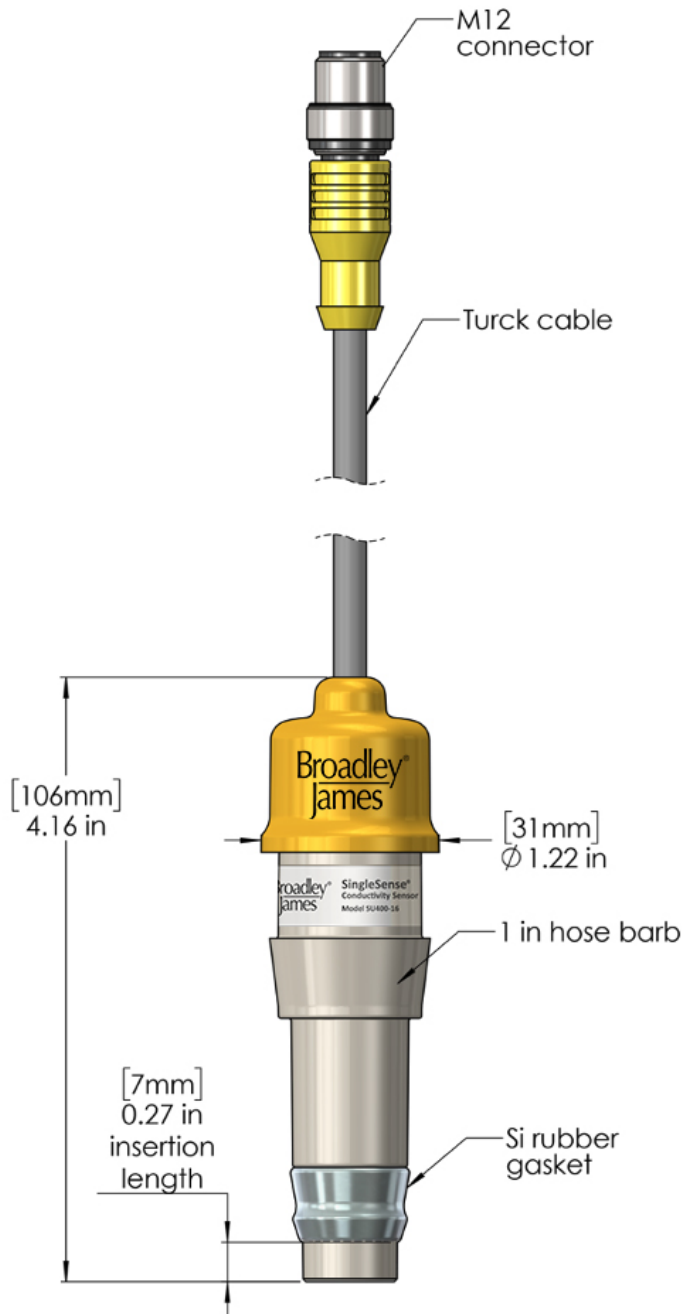


SU400-16-M1 Single-Use Conductivity Sensor

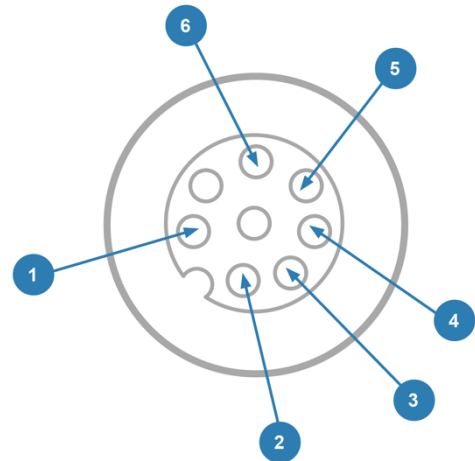
Features

- Supplied with a pre-set cell constant for simplified setup
- Compatible with transmitters supporting analog 4-electrode conductivity

Dimensional Drawing (SU400-16-M1)



Connector End View



Pin Legend

- 1 D +
- 2 R +
- 3 R -
- 4 D -
- 5 RTD - in
- 6 RTD - return

D: Drive
R: Read
+/-: Polarity
RTD: Resistance Temperature Detector
Pt1000

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