

Description

The SingleSense® Model SU500 Single-Use Flow-Through Conductivity Sensor is gamma irradiation compatible and designed for applications where conductivity must be continuously measured in media flowing through flexible tubing. Ideally suited for inclusion in single-use tubing sets that will be gamma sterilized and used for chromatography, TFF, or other downstream processes.

Model	SU500
Part Number	SU500-04-M1

Sensor Specifications

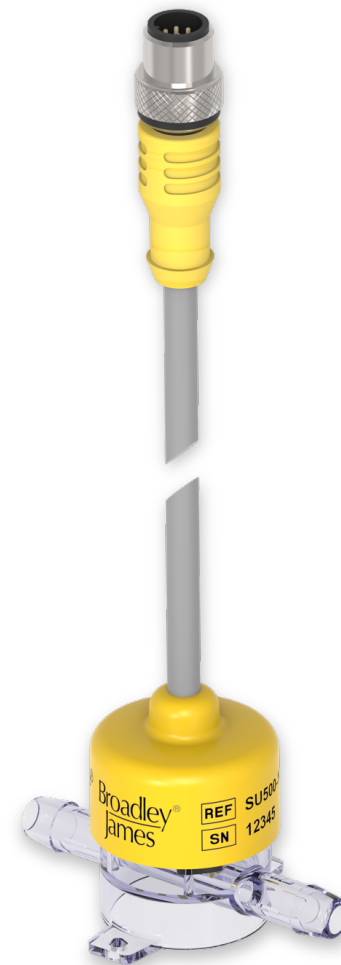
Measurement Principle	4-electrode sensor
Output Signal	Analog
Measurement Range	0.1 - 100 mS/cm
System Accuracy	0.1 - 1 mS/cm +/- 0.05 mS/cm 1 - 100 mS/cm +/- 5%
Operating temperature	4°C - 50°C [39°F - 122°F]
Temperature Accuracy	+/- 0.1 °C
Shelf Life	30 months
Gamma Tolerance Level	50 kGy
Process Connection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

Wetted Materials

Main Sensor Body	Polysulfone (PSU)
Electrodes	Gold plated

Regulatory Compliance

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

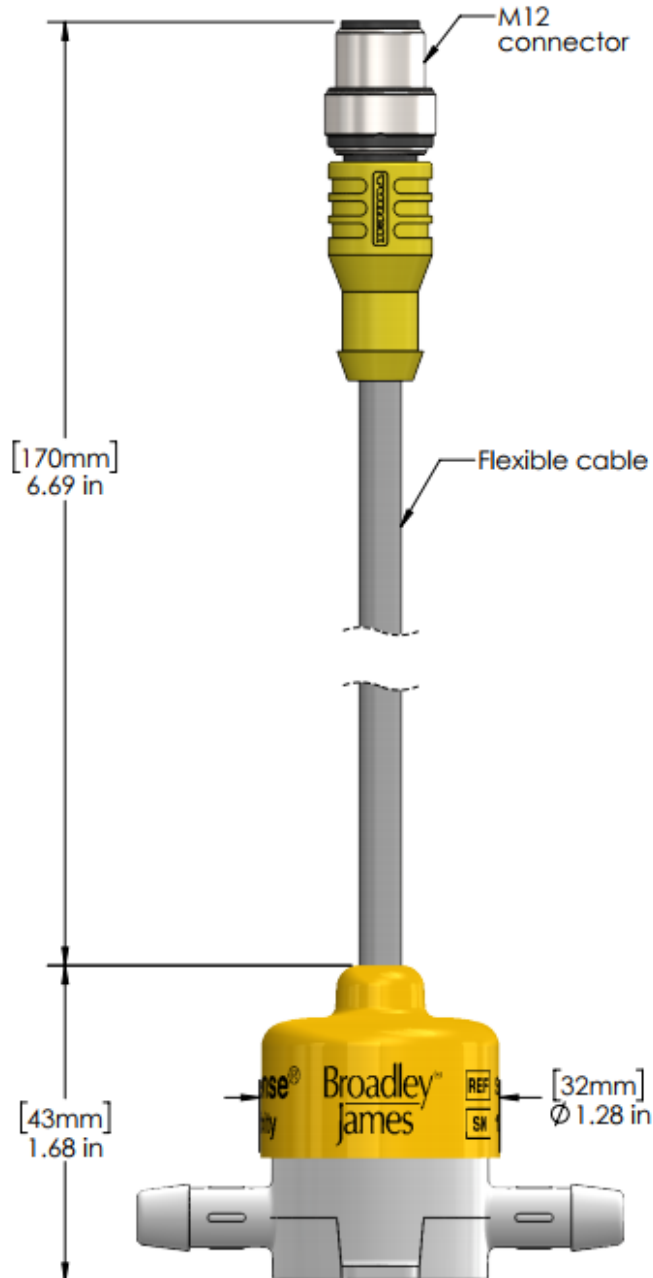


SU500-04-M1 Single-Use Conductivity Sensor with 1/4-inch Hose Barbs

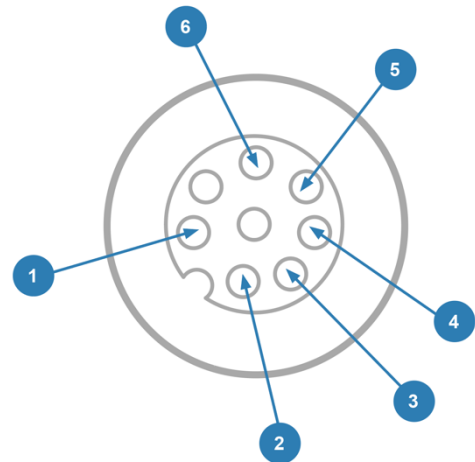
Features

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

Dimensional Drawing (SU500-04-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 Pt 1000

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