

## 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

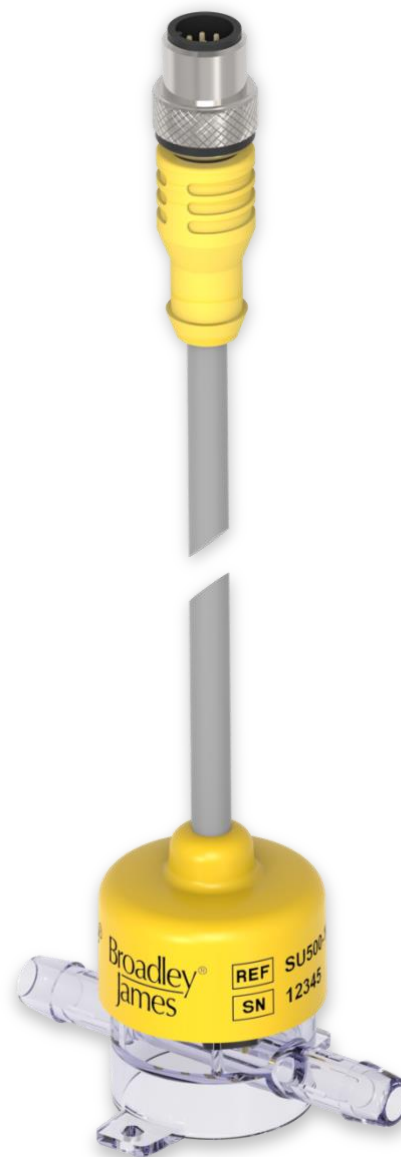
Type	Conductivity
Measurement Principle	4-electrode sensor
Output Signal	Analog
Measurement Range	0.1 - 100 mS/cm
System Accuracy	0.1 - 1 mS/cm +/- 0.05 mS/cm 1 - 100 mS/cm +/- 5%
Operating temperature	4°C - 50°C [39°F - 122°F]
Temperature Accuracy	+/- 0.1 °C
Shelf Life	30 months
Gamma Tolerance Level	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

### Packaging Information

Package Type ..... Outer packaging cardboard  
Package Dimensions ..... 20.32 x 8.89 x 5.72 cm [8 x 3.5 x 2.25 in]  
Package Weight ..... < 0.5 kg [1 lb]  
Double Bagged ..... Yes  
Cleanhood Bagged ..... Yes  
Cleanhood Class ..... Class 7 Air Hood  
Storage Conditions ..... Temperature: 5 - 35°C [41 - 95°F]  
Included Accessories ..... Not applicable  
Quality Certificate ..... Included

### Origination

Country of Origin ..... USA  
MFR Location ..... California, USA

### Purchasing Information

Unit of Sale ..... Each  
Minimum Purchase Quantity ..... Each

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