

## Description

The SU680-12 Single-Use pH Sensor is a flow-through sensor with 3/4-inch hose barbs. Designed for downstream bioprocess applications.

## Purchase Information

Part Number	SU680-12
Description	Single-Use Flow-Through pH Sensor, 3/4 inch

## Classification

Model Type	SU680
Product Type	pH Sensor

## Specifications

### Measurement

Type	pH
Principle	Potentiometric
Range	2–12 pH
Drift	≤ 0.01 pH per day

### Operational Range

Temperature	15°–50° C [60°–122° F]
Pressure	0–3040 mmHg [0–45 psig]
Maximum Flow Rate	31.3 liters/minute [8.27 gallons/minute]

### Signal

Input	Not applicable
Output	Sensor: Millivolts: ±414 Metadata: Digital: SensorTalk™

### Sterilization

Autoclavable	Not autoclavable
Steam Sterilizable	Not sterilizable
Gamma Sterilizable	Yes, up to 50 kGy

### Connectors and Cables

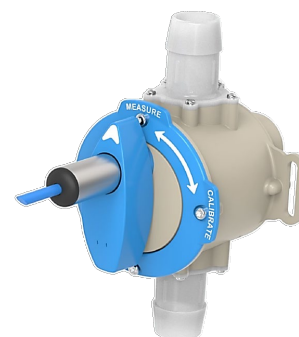
Connector	8-pin Variopin
Cable Length	0.15 m [6 inches]

### Process Interface

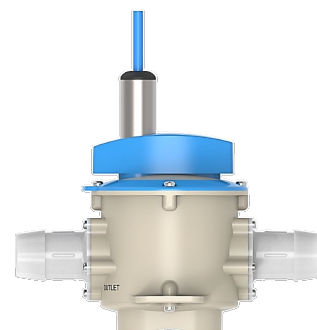
Insertion Method	3/4-inch Hose Barbs
Insertion Length	Not applicable

## Wetted Materials

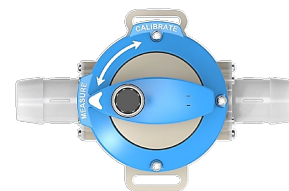
PEEK, USP Class VI, ADI-Free  
Extraction Tested 21CFR, 177.2600, Dimethyl Silicone Rubber, Pt Cure, USP Class VI  
Extraction Tested 21CFR, 177.2600, EPDM USP Class VI, FDA Compliant, ADI-Free  
Lead-Free Glass, Alumina Silicate



Isometric View



Side View



Top View with Dial Face

## Packaging and Regulations

### Packaging Information

Package Type .....	Cardboard box with double-bagged sensor inside
Package Dimensions .....	30.48 x 30.48 x 5.08 cm [12 in x 12 in x 2 in]
Package Weight .....	< 0.5 kg [1 lb]
Double Bagged .....	Yes, sensor is double-bagged
Cleanroom Bagged .....	Yes, inner bag only
Cleanroom Class .....	Class 7 Clean Air Hood
Storage Conditions .....	Temperature: 5°–35° C [41°–95° F]
Included Accessories .....	Not applicable
Quality Certificate .....	Included
Shelf Life .....	36 months
Shelf Life Post Gamma Sterilization .....	30 months

### Origination and Tariff Code

Harmonized Tariff Trade Code.....	9027803100
Country of Origin .....	USA
MFR Location .....	California, USA

### Purchasing Information

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

### Regulatory and Compliance

CE Compliant .....	Yes
RoHS Compliant .....	Yes
REACH Compliant .....	Yes
CFR 21-11 Compliant .....	Not applicable
BSE/TSE/ADI Compliant.....	Yes
USP Class VI Compliant .....	Yes, all wetted parts
FDA Material Compliant.....	Yes, all wetted parts



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