

Description

The SU680-12 SingleSense® 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

Sterilization

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

Connectors and Cables

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

Process Interface

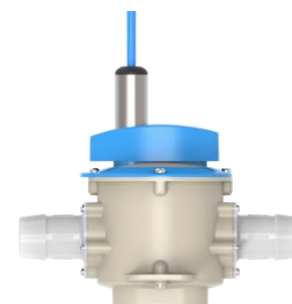
Insertion Method	3/4-inch Hose Barbs
Insertion Length	Not applicable

Wetted Materials

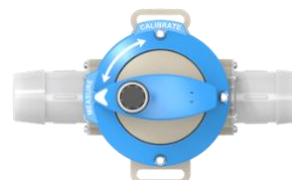
PEEK, USP Class VI, ADI-Free, Extraction Tested
Dimethyl Silicone Rubber, Pt Cure, USP Class VI Extraction Tested, 21CFR, 177.2600
EPDM USP Class VI, FDA Compliant, ADI-Free
HDPE, USP Class VI
Lead-Free Glass, Alumina Silicate



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
 Cleanhood Bagged Yes, inner bag only
 Cleanhood 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 Free Yes
 USP Class VI Compliant Yes, all wetted parts
 FDA Material Compliant Yes, all wetted parts

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