

Description

The SU680-16 SingleSense® Single-Use pH Sensor is a flow-through sensor with 1-inch hose barbs designed for downstream bioprocess applications.

Purchase Information

Part Number	SU680-16
Description	Single-Use Flow-Through pH Sensor, 1 inch

Classification

Model Type	SU600
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	55.7 liters/minute [14.71 gallons/minute]

Signal

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

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

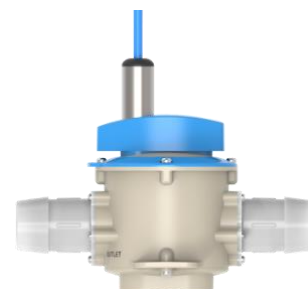
Insertion Method	1-inch Hose Barbs
Insertion Length	Not applicable

Wetted Materials

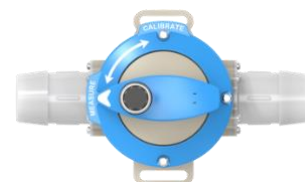
PEEK, USP Class VI, ADI-Free, Extraction Tested 21CFR, 177.2600
Dimethyl Silicone Rubber, Pt Cure, USP Class VI, Extraction Tested 21CFR, 177.2600
EPDM USP Class VI, FDA Compliant, ADI-Free
HDPE, USP Class VI
Lead-Free Glass, Alumina Silicate



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

The contents of this publication are presented for information purposes only, and while every effort has been made to ensure their accuracy, they are not to be construed as warranties or guarantees, express or implied, regarding products or services described herein or in their use or applicability. All sales are governed by our terms and conditions, which are available on request. We reserve the right to modify or improve the design or specification of such products at any time.

Doc Nbr: PDS-112060 R4 Published 27 July 2023
© July 2023 Broadley-James Corporation. All rights reserved. Visit www.broadley-james.com/trademarks for trademark information.

TMP-PDS-112001 R1



North America and Pacific

Email: sales@broadleyjames.com
Web: www.broadleyjames.com

Phone: 949-829-5555
Toll-free: 800-288-2833
Fax: 949-829-5560

19 Thomas, Irvine, CA, 92618 USA

United Kingdom and EU Countries

Email: sales@broadleyjames.co.uk
Web: www.broadleyjames.eu

Phone: +44 (0)1525 862518
Fax: +44 (0)1525 862811

Wrest Park, Silsoe, Bedford MK45 4HS, UK