

## Description

The SU680-08 SingleSense® Single-Use pH Sensor is a flow-through sensor with 1/2-inch hose barbs. Designed for downstream bioprocess applications.

## Purchase Information

Part Number	SU680-08
Description	Single-Use Flow-Through pH Sensor, 1/2 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	13.9 liters/minute [3.68 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	1/2-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



Sensor in Measure Mode



Side View of Sensor



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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#### North America and Pacific

Email: [sales@broadleyjames.com](mailto:sales@broadleyjames.com)  
 Web: [www.broadleyjames.com](http://www.broadleyjames.com)

Phone: +1-949-829-5555  
 Fax: 1-949-829-5560

19 Thomas, Irvine, CA, 92618 USA

#### United Kingdom and EU Countries

Email: [sales@broadleyjames.co.uk](mailto:sales@broadleyjames.co.uk)  
 Web: [www.broadleyjames.eu](http://www.broadleyjames.eu)

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

Wrest Park, Silsoe, Bedford MK45 4HS, UK