

Description

The SU800-16-V8 SingleSense® Single-Use pH Sensor is designed for horizontal preinstallation in a bioprocess container (BPC) with subsequent gamma sterilization.

Purchase Information

Part Number	SU800-16-V8
Description	Single-Use pH Sensor for pre-install in BPC

Classification

Model Type	SU800
Product Type	pH Sensor

Specifications

Measurement

Type	pH
Principle	Potentiometric
Range	2–12 pH
Drift	≤ 0.01 pH per day
Accuracy	±.05 pH units

Operational Range

Temperature	15°–40° C [60°–104° F]
Pressure	0–776 mmHg [0–15 psig]
Flow Rate	Not applicable

Signal

Input	Not applicable
Output	Sensor: ±414 mV

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 Barb
Insertion Length	13 mm when retracted; 33 mm when extended

Wetted Materials

PEEK, USP 88 Class VI, USP 87, ADI-Free
Extraction Tested 21CFR, 177.2600, Dimethyl Silicone Rubber, Pt Cure, USP 88 Class VI, USP 87
Extraction Tested 21CFR, 177.2600, EPDM USP 88 Class VI, USP 87
FDA Compliant, ADI-Free Lead-Free Glass, Alumina Silicate



SU800-16-V8 Single-Use pH Sensor



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]
Shipping and Transportation	Temperature: -29° C [-20° F] for up to 72 hours
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 88 Class VI, USP 87 Compliant	Yes, all wetted parts
FDA Material Compliant	Yes, all wetted parts

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