REF SU800-16-V8
Single-Use pH Sensor
for BPC with 1-inch Hose Barb Port

Description

The SU800-16-V8 SingleSense® Single-Use pH Sensor is a gamma sterilizable and designed with a 1-inch hose barb for pre-installation into a bioprocess container (BPC). The sensor can be used for upstream and downstream BPC applications including media mixing, buffer preparation, and large-scale cell culture bioreactors.

Rugged and always ready to use, no hydration time is required. The sensor can be installed horizontally and retracted during mid-run for a 1-point standardization check with the built-in buffer storage chamber.

Model	SU800
Part Number	SU800-16-V8

SU800-16-V8 Single-Use pH Sensor

Sensor Specifications

Measurement Range	2–12 pH
Operational Temp. Range	15°–40° C [60°–104° F]
Storage Temperature	5°–35° C [41°–95° F]
Shipping and Transportation	-29° C [-20° F] for up to 72 hours
Shelf Life	36 months Post Gamma: 30 months
Gamma Tolerance Level	50 kGy
Sensor/Tubing Interface	1-inch Hose Barb
Sensor Connector Cable	8-pin Variopin

Wetted Materials

Main Sensor Body	PEEK, USP 88 Class VI, USP 87, ADI Free
Port Gasket	Dimethyl Silicone Rubber Pt Cure, USP 88 Class VI, USP 87, ADI Free
O-ring	EPDM, USP 88 Class VI, USP 87, FDA Compliant Extraction Tested 21 CFR, 177.2600, ADI Free
pH Glass Electrode	Lead-free Glass
Ceramic Junction	Alumina Silicate

Features

- pH sensor retracts into the buffer storage chamber in the sensor body for long-term storage
- Sensor can be inserted and retracted multiple times without loss of buffer storage electrolyte

Benefits

- Sensor can be stored and protected in sensor housing until needed
- Always ready to use, no rehydration time required
- Sensor can be retracted into buffer storage chamber during mid-run for 1-point standardization check

PATENTED
EU PATENT 3684906

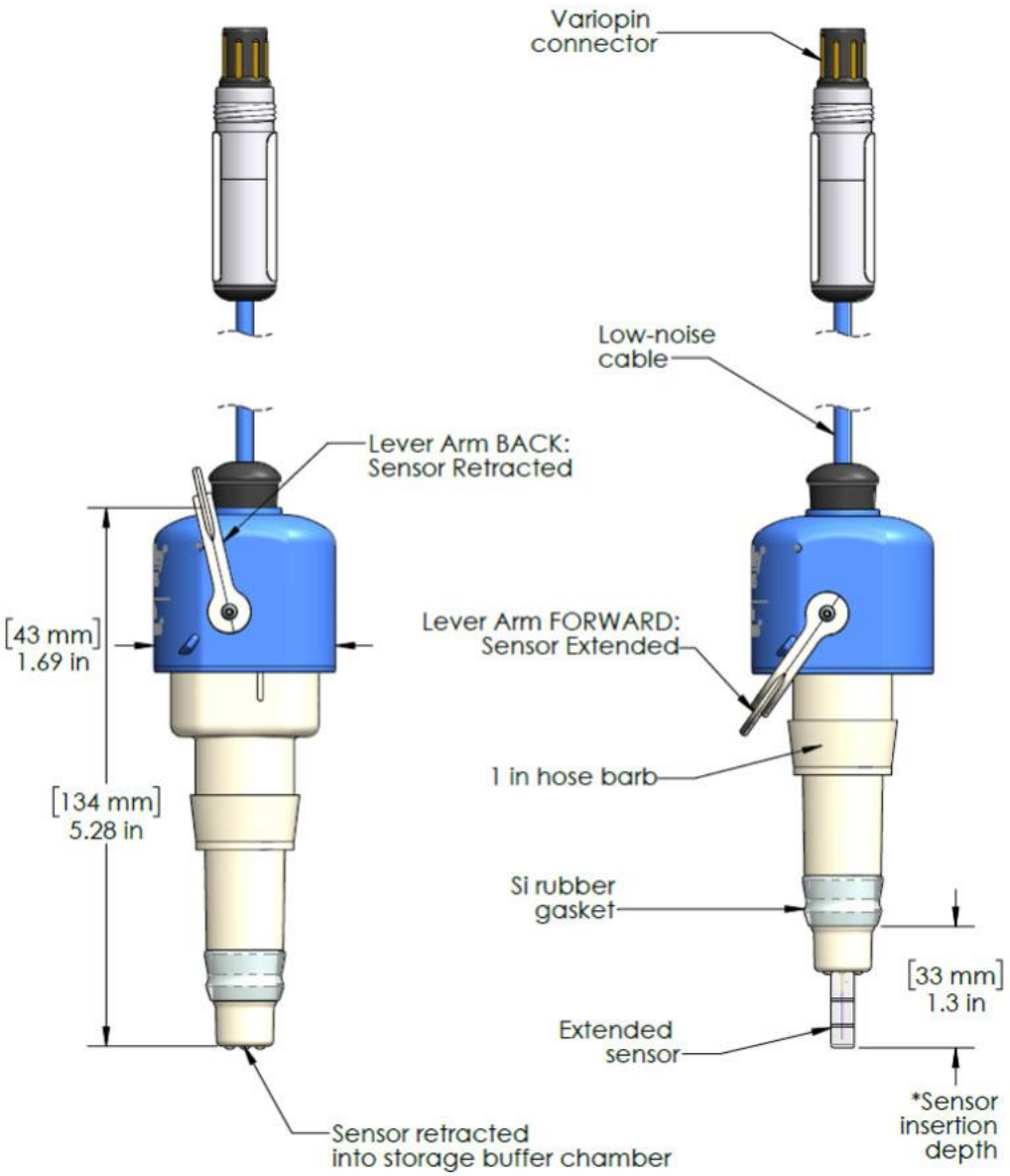
Broadley James
Manufacturers of Sensors for Science and Industry

North America and Pacific
Email: sales@broadleyjames.com
Web: 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
Web: www.broadleyjames.eu
Phone: +44 (0)1525 862518
Fax: +44 (0)1525 862811
Wrest Park, Silsoe, Bedford MK45 4HS, UK

REF SU800-16-V8
Single-Use pH Sensor
for BPC with 1-inch Hose Barb Port

Dimensional Drawings of SU800-16-V8



Doc Nbr: PSS-062101 R6 Published 24 April 2024

TMP-PSS-102101 R2

Broadley James
Manufacturers of Sensors for Science and Industry

North America and Pacific
Email: sales@broadleyjames.com
Web: 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
Web: www.broadleyjames.eu
Phone: +44 (0)1525 862518
Fax: +44 (0)1525 862811
Wrest Park, Silsoe, Bedford MK45 4HS, UK