

Sensor Description

The Model F-695 FermProbe® pH sensor is steam sterilizable and autoclavable for use in bioprocess applications. The sensor can be used as follows:

- Steam sterilized in-situ in steel bioreactors and fermentation tanks with 25 mm entry ports.
- Autoclaved with bellows assemblies for aseptic insertion into single-use bioprocess containers (BPCs).
- Autoclaved with benchtop vessels. Sensor lengths available for vessel sizes from 1 liter to 20 liters.

Design features include:

- Low impedance HT3 glass bulb with low sodium ion error.
- USP grade cellulosic thickener used for reference gel.



Model	F-695
Short Description	FermProbe® pH Sensor with PG 13.5 threaded cap and K9 Connector
Part Number	See table below right for full part number of each of the 4 available lengths

Sensor Specifications

Measurement Range	0–14 pH
Operational Temp. Range	-5°–135° C [23°–275° F]
Operational Pressure Range	0-7750 mmHg [0-150 psig]
Storage Temperature	5°–50° C [41°–122° F]
Shelf Life	12 months
Sensor Connector	K9, Coaxially Shielded
Sensor Connector Cable	AX-1000-KP-XXXX series

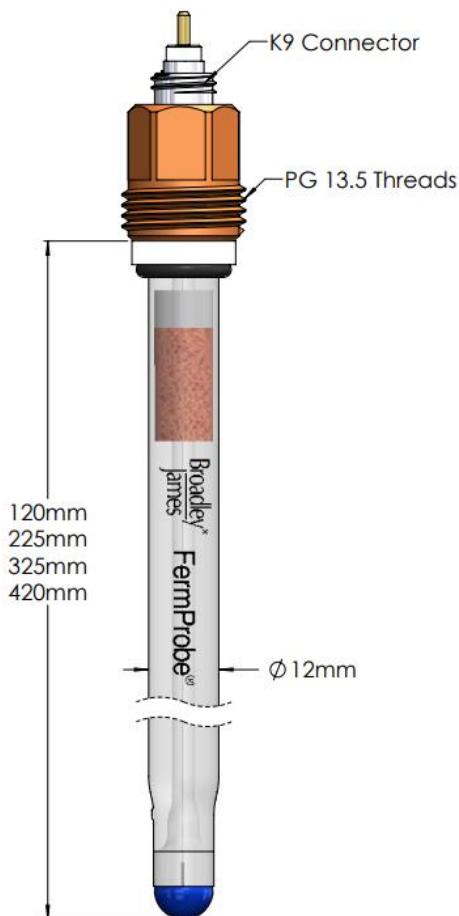
F-695 FermProbe® pH Sensor
with K9 Connector, PG 13.5 Threaded Cap
(Shown here with 12 mm OD x 120 mm Length)

Model F-695 Sensor Lengths			
Part Number	Insertion Length ± (3 mm)	RTD	Conn
F-695-B120-DH	120 mm	N/A	K9
F-695-B225-DH	225 mm	N/A	K9
F-695-B325-DH	325 mm	N/A	K9
F-695-B420-DH	420 mm	N/A	K9

Wetted Materials

O-ring	FDA Compliant Silicone
pH Glass Electrode	Lead-free Glass
Ceramic Junction	Alumina Silicate

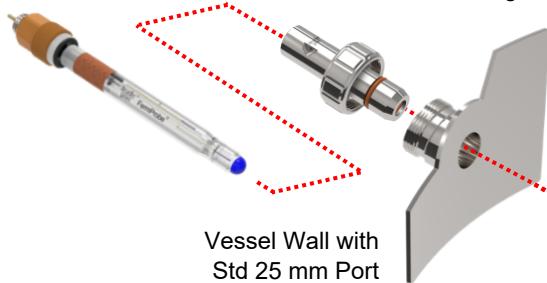
Model F-695 Sensor Dimensions



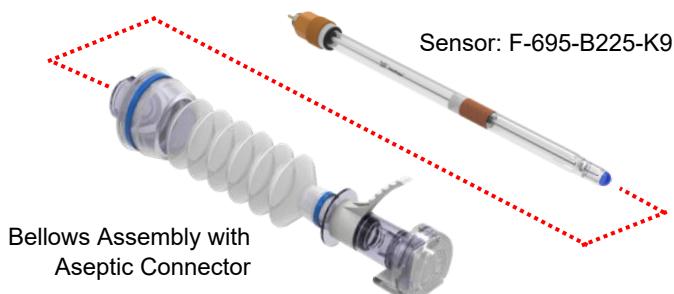
Steam Sterilizable In-Situ in Steel Bioreactors and Fermentation Tanks with 25 mm Entry Ports

Sensor: F-695-B120-K9

Model 335 Housing Shown



Autoclaved with Bellows Assemblies for Aseptic Insertion into Single-Use Bioprocess Containers (BPCs)

Autoclaved with Benchtop Vessels.
Sensor Lengths Available for Vessel Sizes
from 1 Liter to 20 Liters

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