

Description

The SingleSense® Model SU600 Single-Use Flow-Through pH Sensor is gamma irradiation compatible and designed for downstream applications where the pH must be continuously measured in process media flowing through flexible tubing.

Model	SU600
Part Number	See part number tables on the right for options and their full part numbers

Sensor Specifications

Measurement Principle	Potentiometric
Output Signal	Analog
Measurement Range	2 - 11 pH
Operating Temperature	4°C - 50°C [39°F - 122°F]
Max Pressure	45 psig
Shelf Life	36 months
Gamma Tolerance Level	50 kGy
Process Connection	Hose barbs (see part number for size)
Sensor Connector	8-pin Variopin

Wetted Materials

Main Sensor Body	PEEK, USP class VI, ADI free
Port Gasket	Dimethyl silicone rubber Pt cure, USP class VI, ADI free
O-ring	EPDM, USP class VI, USP 87, FDA compliant extraction tested 21 CFR 177, ADI free
pH Glass Electrode	Lead-free glass
Ceramic Junction	Alumina silicate
Hose Barbs	HDPE, USP class VI

Regulatory Compliance

USP Class VI	Yes, all wetted parts
REACH Compliant	Yes
RoHS Compliant	Yes
BSE/TSE/ADI Free	Yes



SU600-04-V8 Single-Use pH Sensor

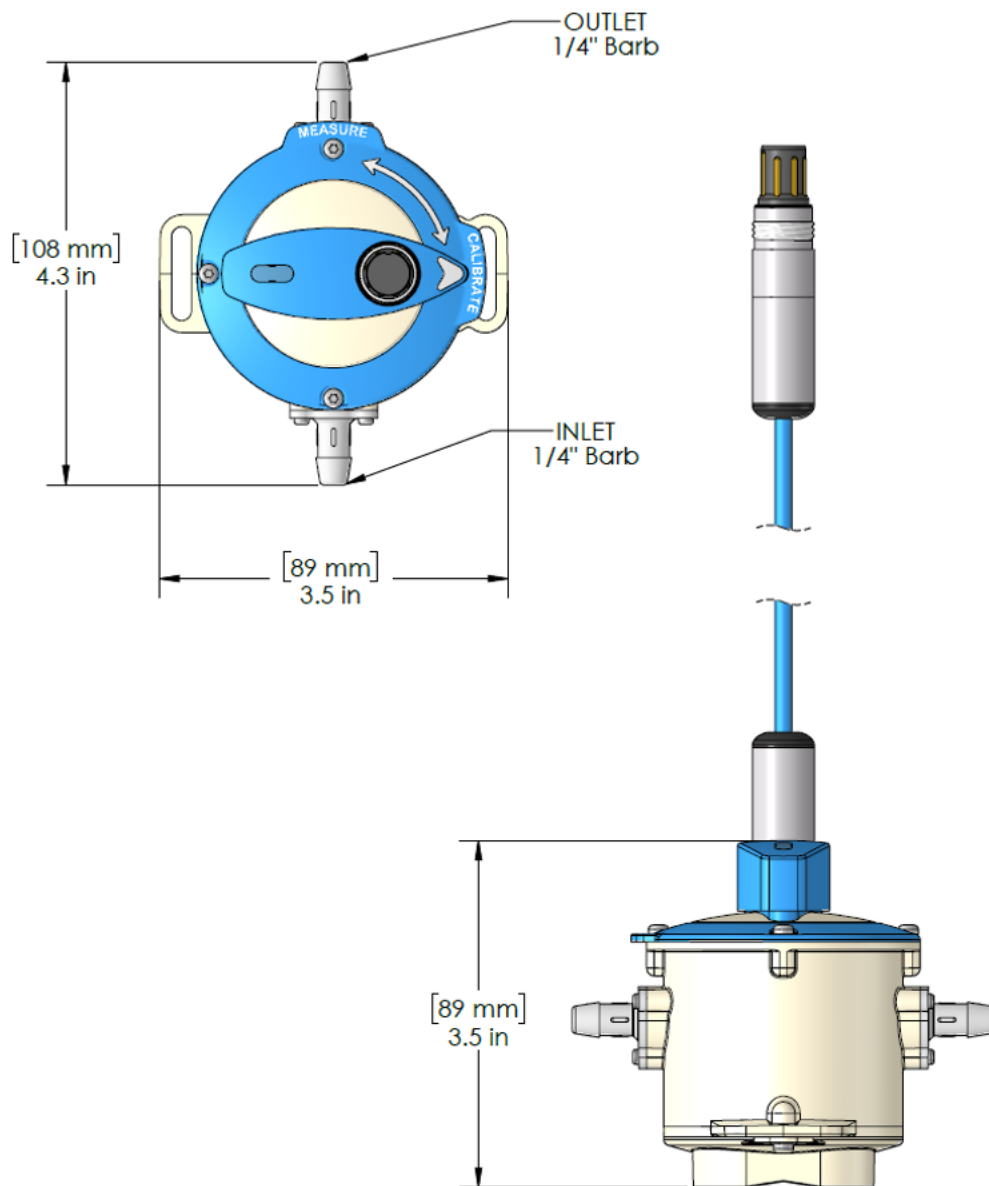
Part Number Table

Model SU600 Series	
Part number	Hose barb size
SU600-02-V8	1/8"
SU600-04-V8	1/4"
SU600-06-V8	3/8"
SU680-08-V8	1/2"
SU680-12-V8	3/4"
SU680-16-V8	1"

Features

- pH sensor rotates into the buffer storage chamber to enable one-point standardization without the need for sampling
- Flow path remains open with sensor in calibrate or measure position
- Sensor is ready to use with no rehydration or wet-in time required

Dimensional Drawing (SU600-04-V8)



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