

**Single-Use, Flow-Through pH Sensor
with 1-inch Hose Barbs**

Description

The SU680-16 SingleSense® single-use, flow-through pH sensor is designed for downstream applications where the pH must be continuously measured in process media flowing through 1-inch flexible tubing.

Rugged and always ready to use, no hydration time is required. The sensor can be rotated into the buffer storage chamber for a 1-point standardization check or to avoid exposure to CIP process solution.

Model	SU680 Series
Part Number	SU680-16

Sensor Specifications

Measurement Range	2–12 pH
Operational Temp. Range	15°–50° C [60°–122° F]
Storage Temperature	5°–35° C [41°–95° F]
Shelf Life	36 months Post Gamma: 30 months
Gamma Tolerance Level	50 kGy
Sensor/Tubing Interface	1-inch Hose Barbs
Sensor Connector Cable	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	Dimethyl Silicone Rubber Pt Cure, USP Class VI, ADI Free
pH Glass Electrode	Lead-free Glass
Ceramic Junction	Alumina Silicate
Hose Barbs	HDPE, USP Class VI

Features

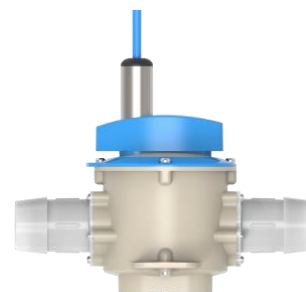
- pH sensor rotates into the buffer storage chamber in the sensor body for long-term storage
- Only the sensor rotates out of flow path, keeping flow path open
- Sensor can be rotated multiple times without loss of buffer storage electrolyte in the flow stream

Benefits

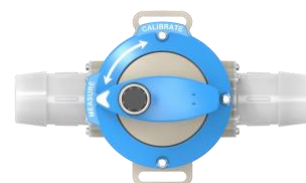
- Sensor can be stored and protected from exposure to CIP solutions
- Always ready to use; no rehydration time required
- Sensor can be rotated into buffer storage chamber during mid-run for 1-point standardization check



Isometric View



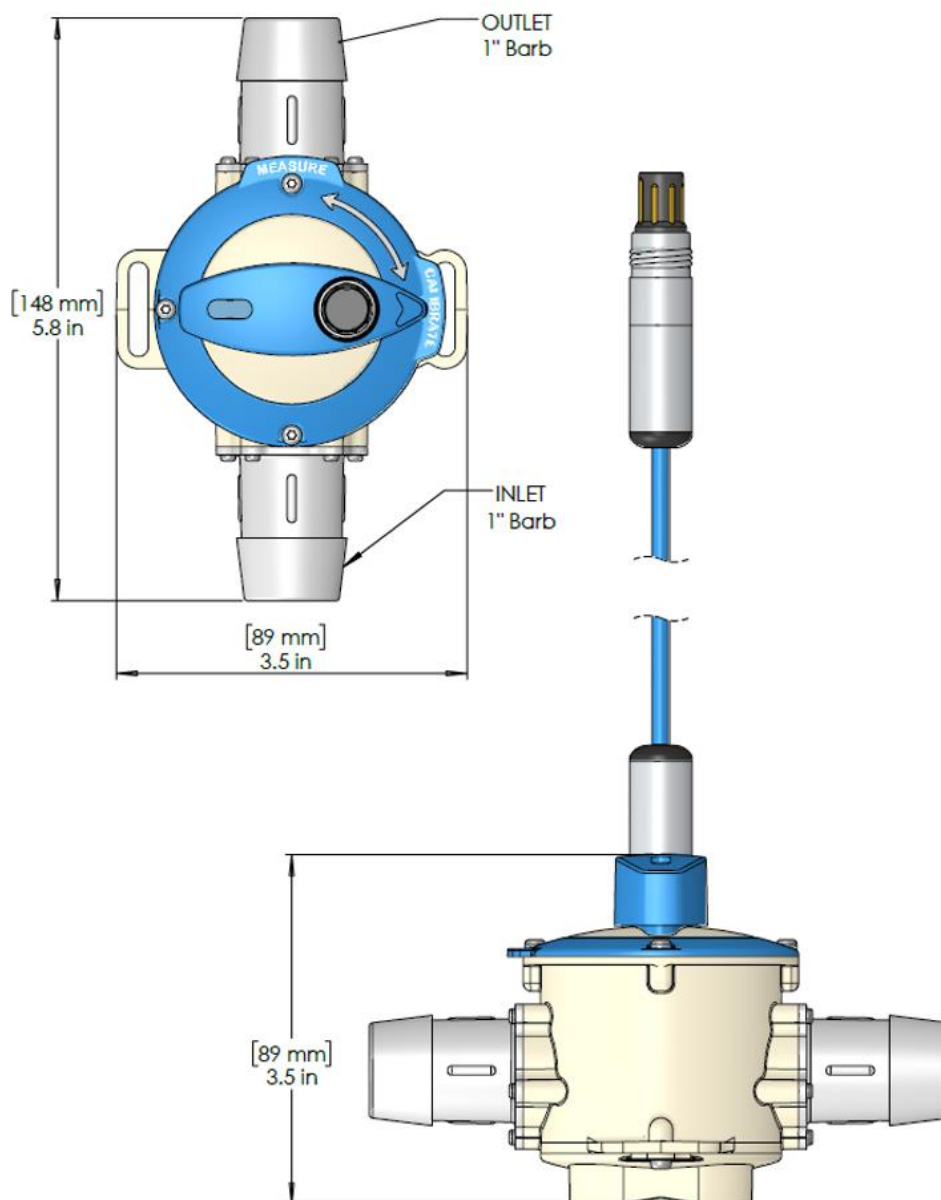
Side View



Top View with Dial Face



Dimensional Drawings of SU680-16



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