

ST-720 Inline Conductivity Sensor

The Pyxis ST-720 is an inline, 4-graphite electrode conductivity sensor. The 4-electrode configuration is less prone to fouling and maintains conductivity accuracy and precision without the need of frequent calibrations. The Pt100 RTD temperature sensor is embedded in a graphite thermal conductor. The flat surface makes sensor cleaning easier. The probe comes with the companion tee for quick installation.



Applications

Cooling tower water systems and other aqueous systems

Features

- Large dynamic range 0-10,000 $\mu\text{S}/\text{cm}$
- RS-485 Modbus digital output in addition to 4-20 mA output
- Calibration and diagnosis via smart phone or PC apps
- The conductivity value is compensated according to the measured temperature to the nominal value at 25 °C (77 °F)

Specification

Items	Parameter
Conductivity range	0 – 10,000 $\mu\text{S}/\text{cm}$, $\pm 0.1 \mu\text{S}/\text{cm}$ or 0.2% of the value
Sample Temperature	32 – 104 °F
Sample Pressure	0 - 100 PSI
Power	12 – 36 VDC, 1W
Storage Temperature	-4 - 140 °F
Output	4-20mA and RS-485 Modbus
Dimension	6.8 inch long, 1.44 inch diameter
Installation	Pyxis Tee (ST-001), 3/4 inch socket or threaded female union
Body Material	CPV
Others	IP67, CE

*With Pyxis' continuous improvement policy, this specification is subject to change without notice.

Ordering Information

ST-720 inline conductivity sensor

P/N: 53101

Bluetooth/Wifi Adapter

P/N: MA-WB

PTSA/conductivity combined standard

P/N: PTSA-1010C