Conducell UPW Arc TC 1.5"

Specification Sheet (Part/REF # 243578)



Conducell UPW Arc sensor: industry-leading accuracy and sensitivity for pharmaceutical pure/ultra-pure water. USP 645, EP, JP, FDA compliant.

Product Specifications

Process Connection	PG13,5 Triclamp 1.5"
Sensor Family	Conducell UPW
Wetted Parts	Stainless Steel 1.4435 PEEK (Polyetheretherketone) EPDM (Ethylene propylene elastomer) See compliance details in Material Specification document
Electrical Connector	VP8
Parameter	Conductivity (2-pole)
Sensor Output	Arc: Modbus, 4 to 20 mA

Measuring Range	0.01 to 1500 µS/cm
Accuracy at 25 °C	± 3 %
Cell Constant	< 0.1 / cm
Temperature Sensor	NTC 22 kOhm
Configurable Values	Conductivity: µS/cm, mS/cm; Temperature: °C, °F, K
Surface Quality of Steel	Ra < 0.4 µm (N5, electropolished)
Analog Interface 1	4 to 20 mA for conductivity, programmable
Analog Interface 2	4 to 20 mA for Temp., programmable
Analog Interface 1 and 2	Galvanically not isolated; pulse width modulation 3.5 kHz
Digital Interface	RS485 Modbus (max. 32 addresses)
Baud Rate	4800, 9600, 19200, 38400, 57600, 115200 Bd
Operating Voltage	7 to 30 VDC max. 150 mW
Serial Number	Yes
Certificate	Yes, with nominal and actual cell constant
ATEX Approval	No
IECEx Approval	No
Autoclavable	Yes, max. Temperature 130 °C
Steam Sterilizable	Yes, max. Temperature 140 °C
CIP	Yes
Operating Temperature Range	Analog interface: 0 to 110 °C; Digital interface: 0 to 130 °C
Pressure Range bar g	0 to 10 bar g (130 °C)
Max. Pressure bar g	10 bar g (130 °C)

a-length	87 mm
Diameter	17 mm

Specifications are subject to change without notice **Spec. Version C**

https://www.hamiltoncompany.com/sensors/conductivity-sensors/conducell-upw/conducell-upw-arc?part-number=243578

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