

Conducell UPW Arc PG13,5

Specification Sheet (Part/REF # 243579)



Available with either PG13,5 or Tri-Clamp process connections. The removable Arc module gives intelligent sensor capabilities with a traceable simulator for USP 645 compliance.

Product Specifications

Sensor Family	Conducell UPW
a-length	120 mm
Parameter	Conductivity (2-pole)
Electrical Connector	VP8
Sensor Output	Arc: Modbus, 4 to 20 mA
Measurement Principle	2 pole contacting
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
Diameter	12 mm
Process Connection	PG13,5
Wetted Parts	Stainless Steel 1.4435 PEEK (Polyetheretherketone) EPDM (Ethylene propylene elastomer) See compliance details in Material Specification document
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. 31 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
CIP	Yes
Steam Sterilizable	Yes, max. Temperature 140 °C

