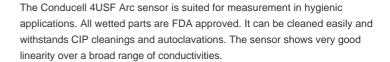
## Conducell 4USF Arc 120

## Specification Sheet (Part# 242159)





## **Product Specifications**

alength	120 mm	
Measurement Principle	4 pole contacting	
Measuring Range	1 μS/cm to 300 mS/cm	
Accuracy	$\pm$ 3 % at 1 µS/cm to 100 mS/cm, $\pm$ 5 % at 100 to 300 mS/cm	
Cell Constant	0.36 /cm	
Temperature Sensor	NTC 22 kOhm	
Configurable Values	Conductivity: µS/cm, mS/cm; Temperature: °C, °F, K	
ATEX Approval	No	
Autoclavable	Yes, max. Temperature 130 °C	
CIP	Yes	
Steam Sterilizable	Yes, max. Temperature 140 °C	
Operating Temperature Range	Analog interface: 0 to 110 °C; Digital interface: 0 to 140 °C	
Pressure Range (bar g)	0 to 20 bar (130 °C)	
O-ring Material	EPDM (FDA approved, USP class VI)	
Surface Quality of Steel	Ra < 0.4 μm (N5, electropolished)	
Certificate	Yes	



## **Product Specifications**

Diameter	12 mm
Process Connection	PG13,5
Electrical Connector	VP8
Wetted Parts	Stainless steel 1.4435, PEEK (FDA approved, USP class VI), EPDM (FDA approved, USP class VI)
Analog Interface 1	4-20 mA for conductivity, programmable
Analog Interface 2	4-20 mA, programmable
Analog Interface 1 and 2	Galvanically not isolated; pulse width modulation 3.5 kHz
Baud Rate	4800, 9600, 19200, 38400, 57600,115200 bd
Operating Voltage	7 to 30 VDC max. 150 mW
Digital Interface	RS485 Modbus, max 31 addresses
Serial Number	Yes

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