

Conducell UPW Arc PG13,5

Specification Sheet (Part# 243579)

The fully compliant ultra-pure water (UPW) quality measurement sensors from Hamilton. For biotechnology, pharmaceutical and cosmetic industries, process safety and quality are highly related to the production of pure and ultra-pure water that meets the Pharmacopeia regulations.



Product Specifications

alength	120 mm
Measurement Principle	2 pole contacting
Measuring Range	0.01 to 1500 μ S/cm
Accuracy	\pm 3 %
Cell Constant	< 0.1 /cm
Temperature Sensor	NTC 22 kOhm
Configurable Values	Conductivity: μ S/cm, mS/cm; Temperature: $^{\circ}$ C, $^{\circ}$ F, K
ATEX Approval	No
Autoclavable	Yes, max. Temperature 130 $^{\circ}$ C
CIP	Yes
Steam Sterilizable	Yes, max. Temperature 140 $^{\circ}$ C
Operating Temperature Range	Analog interface: 0 to 110 $^{\circ}$ C; Digital interface: 0 to 130 $^{\circ}$ C
Pressure Range (bar g)	0 to 10 bar (130 $^{\circ}$ C)
O-ring Material	EPDM (FDA approved, USP class VI)
Surface Quality of Steel	Ra < 0.4 μ m (N5, electropolished)
Monitoring of ultrapure water acc USP 645	Two alarm outputs: Umax 40 V, Imax 15 mA, Pmax 50 mW

Product Specifications

Certificate	Yes
Process Connection	PG13,5
Electrical Connector	Conductivity Cell VP11, Arc Module VP11 (bottom) and VP8 (head)
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

© 2017 Hamilton Company. All Rights Reserved.

All trademarks are owned and/or registered by Hamilton Company in the U.S. and/or other countries.

Revision: A / 2010-05-11 Printed in the U.S.A.

HAMILTON®

Web: www.hamiltoncompany.com

USA: +1-800-648-5950

Europe: +41 58 610 10 10

Hamilton Americas & Pacific Rim

Hamilton Company Inc.
4970 Energy Way
Reno, Nevada 89502 U.S.A.
Tel: +1-800-648-5950
Fax: +1-775-856-7259
sales@hamiltoncompany.com

Hamilton Europe, Asia, & Africa

Hamilton Bonaduz A.G.
Via Crusch 8
CH-7402 Bonaduz, Switzerland
Tel: +41 58 610 10 10
Fax: +41-58-610-00-10
contact@hamilton.ch

To find a representative in your area, please visit hamiltoncompany.com/contacts