

Conducell I VV

Specification Sheet (Part/REF # 243290-311)

Conducell I is designed for hygienic applications in pharmaceutical, food and beverage, and biotechnology industries. FDA certification and several process connections make this sensor suitable across these industries.

Product Specifications

Sensor Family	Conducell I
Parameter	Conductivity (Inductive)
Electrical Connector	5 m Fix Cable / Open End
Sensor Output	Traditional
a-length	36.5 mm
Measurement Principle	Inductive
Measuring Range	100 µS/cm to 2000 mS/cm (uncompensated)
Cell Constant	6.3 / cm
Temperature Sensor	Pt1000, IEC 60751, Class A
Diameter	33 x 28 mm
Process Connection	Tuchenhagen Varivent® DN50/40
Wetted Parts	PEEK (Polyetheretherketone)
Surface Quality of Steel	Ra < 0.8 µm (N6)
Serial Number	Yes
Response Time t90%	< 26 s
Certificate	Yes, with measured conductivity values
ATEX Approval	No
IECEX Approval	No
Autoclavable	No
CIP	Yes
Steam Sterilizable	Yes, max. Temperature 150 °C / 5 bar (max. 60 min)
Operating Temperature Range	-10 to 125 °C
Protection Rating	IP 68

Specifications are subject to change without notice

<https://www.hamiltoncompany.com/sensors/243290-311>

Spec. Version B