

# Conducell 4US-T150-100

Specification Sheet (Part/REF # 237760)



With Triclamp and G 1 1/4" process connections the Conducell 4US can be directly mounted into sanitary process fittings with no additional housing needed.

## Product Specifications

<b>Sensor Family</b>	Conducell 4US
<b>Parameter</b>	Conductivity (4-Pole)
<b>Sensor Output</b>	Traditional
<b>a-length</b>	100 mm
<b>Electrical Connector</b>	5 m Fix Cable / Open End
<b>Measurement Principle</b>	4 pole contacting
<b>Measuring Range</b>	0.1 $\mu$ S/cm to 500 mS/cm
<b>Cell Constant</b>	0.147 /cm
<b>Temperature Sensor</b>	Pt1000
<b>Diameter</b>	24 mm
<b>Process Connection</b>	Triclamp 1.5"
<b>Wetted Parts</b>	Stainless Steel 1.4435 PEEK (Polyetheretherketone) EPDM (Ethylene propylene elastomer) See compliance details in Material Specification document
<b>Surface Quality of Steel</b>	Ra < 0.4 $\mu$ m (N5, electropolished)
<b>Serial Number</b>	Yes
<b>Certificate</b>	Yes, with nominal and actual cell constant
<b>ATEX Approval</b>	II 1/2 G Ex ia IIB T4/T5/T6 Ga/Gb; II 1/2 D ia IIIC T x °C Da/Db
<b>IECEx Approval</b>	II 1/2 G Ex ia IIB T4/T5/T6 Ga/Gb; II 1/2 D ia IIIC T x °C Da/Db
<b>Autoclavable</b>	No
<b>CIP</b>	Yes
<b>Steam Sterilizable</b>	Yes
<b>Operating Temperature Range</b>	-20 to 135 °C
<b>Pressure Range bar g</b>	0 to 6 bar

Specifications are subject to change without notice

<https://www.hamiltoncompany.com/process-analytics/sensors/237760>

Spec. Version B