

# ChemoTrode ORP 120

Specification Sheet (Part/REF # 238740)



Pressurization up to 6 bar solves issues with strong oxidizers or reducers that shorten the life of standard ORP sensors.

## Product Specifications

<b>Sensor Family</b>	ChemoTrode
<b>Parameter</b>	ORP
<b>Sensor Output</b>	Traditional: mV
<b>a-length</b>	120 mm
<b>Electrical Connector</b>	S7
<b>Measurement Principle</b>	Combination electrode; ORP potential measured against reference
<b>Measuring Range</b>	-2000 mV to +2000 mV
<b>ORP Element</b>	Pt ring
<b>Membrane Shape</b>	Spherical
<b>Diaphragm</b>	HP-Ceramic
<b>Number of Diaphragms</b>	3
<b>Electrolyte</b>	Viscous 3 M KCl-LR
<b>Reference System</b>	Hamilton Everef-F, Silver ion barrier included
<b>Liquid Earth</b>	No
<b>Temperature Sensor</b>	No
<b>Diameter</b>	30 mm
<b>Wetted Parts</b>	Platinum Glass Ceramic
<b>Serial Number</b>	Yes
<b>Recommended Storage</b>	Hamilton Storage Solution or 3 M KCl
<b>Certificate</b>	No
<b>ATEX Approval</b>	II 1/2 G Ex ia IIC 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 IIC 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>	0 to 130 °C
<b>Sample min Conductivity</b>	50 µS/cm
<b>Pressure Range bar g</b>	0 to 6 bar
<b>Shaft Diameter Below</b>	12 mm

