

Data Sheet

CHEMOTRODE ORP

The CHEMOTRODE ORP sensors are designed to measure the redox potential in demanding applications in pharmaceutical and chemical industries. The EVEREF-F reference cartridge ensures the reference electrolyte remains free of silver and precipitation even in aggressive media. The CHEMOTRODE ORP has a refill hole which allows the refilling of the electrolyte and to pressurize the reference electrolyte. This guarantees a free diaphragm and saves the reference electrode from being poisoned.

Application Fields:

Chemical industry, pharmaceutical industry

Specifications:

Serial Number:	Yes
Certificate:	No
Measuring Method:	Combination electrode, potential measured against reference electrode
Range:	-2000 mV ... +2000 mV
Zero-Point:	--
Sensitivity:	--
Temperature Range:	0 ... 130°C
Pressure Range:	0 ... 6 bar
Electrolyte:	Viscous 3M KCl-LR
Reference System:	HAMILTON EVEREF-F, Silver ion barrier included
Liquid Earth:	No
Shaft Material:	Glass
Membrane:	Platinum ring
Sample: min Conductivity:	50 μ S/cm
Diaphragm:	HP ceramic
Number of diaphragm:	3
Steam sterilizable:	Yes
Autoclavable:	No
CIP:	Yes
Electrical Connector:	Type S7 – standard pH connector head, suitable for most brand name quality pH cables
Temperature Sensor:	No
ATEX approval:	Yes, CE 0035 II 1/2 G EEx ia IIC T4/T5/T6
Recommended Storage:	HAMILTON Storage Solution (p/n 238931) or 3M KCl (p/n 238036 or 238936)



Ordering Information:

Part Number	Description	a-length
238740	Chemotrode ORP 120	120 mm
238742	Chemotrode ORP 150	150 mm
238744	Chemotrode ORP 200	200 mm
238746	Chemotrode ORP 250	250 mm

Dimensional drawing:

