


## Data Sheet CHEMOTRODE

The CHEMOTRODE sensors are designed to measure the pH in demanding applications in pharmaceutical and chemical industries. The EVEREF-F reference cartridge ensures the reference electrolyte remains free of silver and precipitation. The CHEMOTRODE has a refill hole which allows the refilling of the electrolyte and to pressurize the reference electrolyte.

### Application Fields:

Chemical industry, pharmaceutical industry

### Specifications:

Serial Number:	Yes
Certificate:	No
Measuring Method:	Combination electrode, potential measured against reference electrode
Range:	pH 0 ... 14
Zero-Point:	0 ± 20 mV
Sensitivity:	57 ... 59 mV / pH at 25°C
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 glass:	HAMILTON type PHI glass
Sample: min Conductivity:	50 µS/cm
Diaphragm:	HP ceramic
Steam sterilizable:	Yes
Autoclavable:	No
CIP:	Yes
Number of diaphragm:	3
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
238760	Chemotrode 120	120 mm
238762	Chemotrode 150	150 mm
238764	Chemotrode 200	200 mm
238766	Chemotrode 250	250 mm
238775	Chemotrode 550	550 mm

### Dimensional drawing:

