


Data Sheet CLARYTRODE

The CLARYTRODE sensor is designed for measuring pH in applications containing hydrofluoric acid. The EVEREF-L reference cartridge ensures a long lifetime. Two SINGLE PORE diaphragms guarantee best results because of direct contact between the sample and the POLISOLVE electrolyte. The CLARYTRODE may also be mounted up side down in the bottom of a tank.

Application Fields:

Chemical industry, water, waste water

Specifications:

Serial Number:	Yes
Certificate:	Yes, with measured values in buffer pH 4.01 and pH 7.00
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:	-5 ... 100°C
Pressure Range:	0 ... 6 bar
Electrolyte:	POLISOLVE
Reference System:	HAMILTON EVEREF-L
Liquid Earth:	No
Shaft Material:	Glass
Membrane glass:	HAMILTON type HF glass: For < 0.01M / 200 mg/l HF at 20°C or 0.05M / 1000 mg/l HF at 50°C
Sample: min Conductivity:	5 µS/cm
Diaphragm:	SINGLE PORE
Number of diaphragm:	2
Steam sterilizable:	No
Autoclavable:	No
CIP:	No
Electrical Connector:	Type S8 – 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 (a)
238821	Clarytrode 120	120 mm

Dimensional drawing:

