


## Data Sheet MECOTRODE

The maintenance free MECOTRODE sensor is designed for processes in the chemical industry with high pH values and for applications in the waste water treatment: The "H" type membrane glass provides a low alkaline error and stable measurement even at high temperatures. 3 high-performance ceramic diaphragms reduce the effect of flow potential during pipe mounting.

### Application Fields:

Chemical industry, oxides, water, waste water

### 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 ... 16 bar at 25°C, 0 ... 6 bar at 130°C
Electrolyte:	Gel electrolyte
Reference System:	HAMILTON EVEREF
Liquid Earth:	No
Shaft Material:	Glass
Membrane glass:	HAMILTON type H glass
Sample: min Conductivity:	50 µS/cm
Diaphragm:	HP-ceramic
Steam sterilizable:	No
Autoclavable:	No
CIP:	No
Number of diaphragm:	3
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)
238801	Mecotrode 120	120 mm
238806	Mecotrode 225	225 mm

### Dimensional drawing:

