


Data Sheet DELTATRODE

The DELTATRODE sensor is designed for measuring pH in applications which contain e.g. Sulfide, Cyanide or Chromate. The reference is not a silver/silver chloride electrode, but a 2nd pH half cell which provides a stable reference signal in a pH buffer solution. In this case the buffer solution is the DELTALYTE electrolyte. It is pre-pressurized to prevent clogging of the diaphragm and diffusion of sample into the buffer.

Application Fields:

Chemical industry, paper making, 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:	0 ... 60°C
Pressure Range:	0 ... 2 bar
Electrolyte:	Pressurized DELTALYTE
Reference System:	2 nd pH half cell
Liquid Earth:	No
Shaft Material:	Glass
Membrane glass:	HAMILTON type PHI glass
Sample: min Conductivity:	50 µS/cm
Diaphragm:	HP-ceramic
Number of diaphragm:	1
Steam sterilizable:	No
Autoclavable:	No
CIP:	No
Electrical Connector:	VP 6.0 multipin connector with PG 13.5
Temperature Sensor:	Yes, Pt 1000
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)
238640	Deltatrod 120	120 mm

Dimensional drawing:

