

Data Sheet


CHEMOTRODE BRIDGE

The CHEMOTRODE BRIDGE sensor is designed to measure the pH in demanding applications in chemical industry. The CHEMOTRODE BRIDGE has a refill hole that 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

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:	SKYLYTE
Reference System:	HAMILTON EVEREF-B
Liquid Earth:	No
Shaft Material:	Glass
Membrane glass:	HAMILTON type PHI glass
Sample: min Conductivity:	50 µS/cm
Diaphragm:	Platinum fibres
Number of diaphragm:	1
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 (a)
238770	Chemotrode Bridge 120	120 mm
238772	Chemotrode Bridge 150	150 mm
238774	Chemotrode Bridge 200	200 mm
238776	Chemotrode Bridge 250	250 mm

Dimensional drawing:

