

Data Sheet

INCHTRODE N100F

The maintenance free INCHTRODE N100F sensor's shaft is made of PVDF (Kynar) which is very hard to break. This makes the INCHTRODE N100F suited for applications in ion weak media in the chemical industry. Furthermore, it is steam sterilizable, so it can be used in hygienic processes in the foods and beverages industries and for processes containing HF. With its SINGLE PORE diaphragm, you will get good and fast measuring results as the POLISOLVE is in direct contact with the sample. Clogging of the diaphragm is almost impossible.

Application Fields:

Chemical industry, paper making, food and beverage 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:	-10 ... 130°C
Pressure Range:	0 ... 10 bar at 25°C, 0 ... 6 bar at 130°C
Process Connection:	MNPT 1" thread
Electrolyte:	POLISOLVE
Reference System:	HAMILTON EVEREF-L
Liquid Earth:	Yes
Shaft Material:	PVDF (FDA-graded)
Membrane glass:	Flat 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:	2 µS/cm
Diaphragm:	SINGLE PORE ring
Number of diaphragm:	1
Steam sterilizable:	Yes
Autoclavable:	No
CIP:	No
Electrical Connector:	VP 6.0 multipin connector with PG 13.5
Temperature Sensor:	Yes, Pt 1000
ATEX approval:	No
Recommended Storage:	HAMILTON Storage Solution (p/n 238931) or 3M KCl (p/n 238036 or 238936)



Ordering Information:

Part Number	Description	Dimensions
238352	Inchtrode N100F	See drawing

Dimensional drawing:

