

InchTrode N100F

Specification Sheet (Part/REF # 238352)



Specially suited for direct mounting in industrial applications with 3/4 and 1" NPT process connections.

Product Specifications

Sensor Family	InchTrode
Parameter	pH
Sensor Output	Traditional: mV
a-length	140 mm
Electrical Connector	VP6
Measurement Principle	Combination electrode; pH potential measured against reference
Measuring Range	pH 0 to 14
Sensitivity	57 to 59 mV / pH at 25 °C
Zero Point	0 ± 20 mV
pH Glass	Hamilton Type HF Glass: For < 0.01M / 200 mg/l HF at 20 °C or 0.05M / 1000mg/l HF at 50 °C
pH Glass Resistance	Moderate
Membrane Shape	Flat
Diaphragm	Single Pore ring
Number of Diaphragms	1
Electrolyte	Polisolve
Reference System	Hamilton Everef-L
Liquid Earth	Yes
Temperature Sensor	Pt1000
Diameter	28 mm
Process Connection	NPT 1" Thread
Wetted Parts	Glass PEEK (Polyetheretherketone)
Serial Number	Yes
Recommended Storage	Hamilton Storage Solution or 3 M KCl
Certificate	Yes, with measured values in Buffer pH 4.01 and pH 7.00
ATEX Approval	No
Autoclavable	Yes
CIP	No
Steam Sterilizable	Yes
Operating Temperature Range	-10 to 125 °C
Sample min Conductivity	2 µS/cm

Pressure Range bar g

0 to 10 bar at 25 °C, 0 to 6 bar at 130 °C

Specifications are subject to change without notice

Spec. Version B

<https://www.hamiltoncompany.com/process-analytics/sensors/238352>