REFEX™ sensors ltd
"The First to Last"

Invented in Germany

REFEX™ 2001 Series 12mm pH Combination Electrode

Maintenance free REFEX™ 2001 Series electrodes are designed for pH measurement applications in many industries. 2001 Series combination electrodes feature the patented Refex non-porous, hard ionically conductive interface/barrier to prevent reference electrode electrolyte loss and poisoning.

Typical application areas: Petro/Chemical, Pulp & Paper, Pharmaceutical, Water Treatment, UPW

Specifications:

Measuring Method:	pH / reference combination electrode
Reference Junction / Half Cell:	Patented non-porous Refex interface. Ag/AgCl in KCl 2.8 mol/l (sealed for life)
Range:	pH 0...12
Eo Zero vs Ag/AgCl:	pH = 6.8 (+/- 20 mV)
Impedance pH-glass/ref:	200 MΩ Nom. / <100 kΩ
Temperature Range:	0...100°C
Pressure Range:	0...20 bar
Liquid Earth:	No
Temperature Sensor:	Optional 100Ω/1000Ω RTD
Standard Dimensions:	12mm x 120, 225, 325 or 425mm
Internal Seals:	Pt/glass
Electrical Connector:	Type S8, S7 Yokogawa, others available Cable 1m, 3m, 5m, 10m, others
Recommended Storage:	Hydrate in 2.8 mol/l KCl, ambient temp.

S8-2001-120 YG-2001-120

FT-2001-225

SFI SOUTH FORK INSTRUMENTS

For more information:
www.southforkinst.com
info@southforkinst.com
T: 925-461-5059

Made in Ireland

Applications: In-Line and Immersion Systems

- Potable Water Applications
- Optimized Coagulation
- Low Ionic Raw Water and Ultra Pure Water (UPW)
- All Oil & Gas Sour Water
- All Petrochemical Process Water
- Chlor-Alkali - Chlorinated and Waste Brines
- Food and Beverage - CIP and SIP
- Industrial Waste Water
- Waste Water Treatment
- Heavy Metal Processes
- Pulp and Paper

Advantages of Refex Non Porous Electrodes

- Protected Ag/AgCl reference half cell - REFEX barrier/interface prevents all liquid contact/exchange
- Resistant to fouling and poisoning
- Suitable for temperatures between 0…100°C
- Operates in pressures between full vacuum and 20 bar / 290 psi
- Instantaneous response to pH change
- Constant Eo zero - almost maintenance free
- Long electrode life - many times longer than all others
- Compatible with all modern pH instruments with dual high impedance inputs for pH and reference electrodes.
- No diffusion potential errors in low ionic waters
- No electrolyte refilling - sealed for life

For more information:
www.southforkinst.com
info@southforkinst.com
T: 925-461-5059