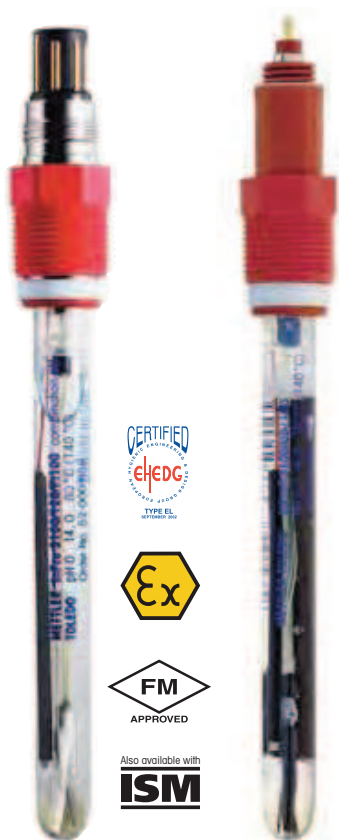


pH Electrodes

Long Lifetime, Accurate Measurement

pH

InPro 3100/InPro 3100 i Versatile and Robust



InPro 3100

InPro 3100 i



Also available for upside-down installation as InPro 3100 (i) UD.

The InPro 3100(i) is a combined pH electrode and temperature sensor designed specially for in-line pH measurements in bio-processes where CIP and SIP are used. This rugged gel-filled electrode leads the industry for fast and precise measurements, even after repeated autoclaving or sterilization cycles at 140 °C (284 °F). The electrode utilizes METTLER TOLEDO's patented silver-ion trap, keeping the reference junction clear even in the presence of sulfide-bearing solutions. With the InPro 3100 (i)UD, upside-down mounting is possible.

Specifications

pH range	0 – 14 pH
Temperature	0 to 140 °C (32 to 284 °F)
Pressure	0 to 6 barg @ 140 °C (0 to 87 psig @ 284 °F)
Plug head	ISM: K8S; Analog: VP, Pg 13.5 thread
Reference system	Argenthal with silver-ion trap
Type of junction	Ceramic
Reference electrolyte	Gel
Lengths	120 mm, 150 mm, 225 mm, 325 mm, 425 mm
Shaft diameter	12 mm
Temperature signal	ISM: Digital; Analog: Pt100 or Pt1000
Sterilizable	Yes
Autoclavable	Yes
Glass membrane	High alkali quality glass

Certificates and Approvals

Quality certificate,
Pressure Equipment Directive guidelines (PED) 97/23/EC,
ATEX: EEx II 1/2 G IIC T6/T5/T4/T3,
FM: IS Cl. I, II, III, Div 1, GR ABCDEFG/T6

Intelligent Sensor Management (ISM)

pH electrodes with integrated ISM functionality allow "Plug and Measure" and Advanced Diagnostics. ISM simplifies the installation, handling and maintenance of measurement equipment. For more information see ISM introduction pages 12-13.

Features Overview

- Fully autoclavable or sterilizable in-situ
- Gel electrolyte reduces maintenance
- Resistant to poisoning substances
- EHEDG certified
- Pressure resistant up to 6 barg (87 psig)
- Watertight connector (IP 68)
- Integral temperature sensor permits automatic temperature compensation

► www.mt.com/InPro3100