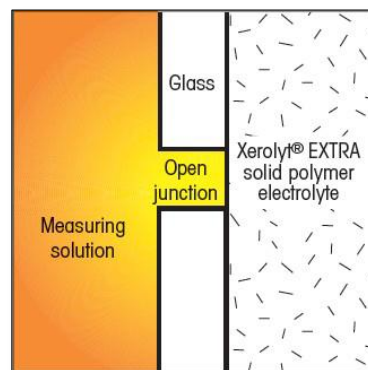


Digital pH – Sensor InPro 4260i/SG in Ex-version

The pH / temperature electrode from Mettler-Toledo with open junction and solid Xerolyt[®] EXTRA polymer reference electrolyte is ideal for use in especially demanding environments. The Intelligent Sensor Management simplifying the initial operation, measurement and offer an advanced sensor diagnostic (Plug & Measure). All relevant sensor data are stored in a readable format on the microchip inside the sensor head. Via optional USB dongle, computer and the optional software iSense ISM[®] Asset Suite you can access on numerous sensor data and see quickly how long and whether the sensor can still be used. This makes possible predictable maintenance and reducing costs.



Powerful

- **Fast and accurate** temperature compensation
- **Open junction** and **XERLOYT[®] Extra** polymer-reference electrolyte with direct contact to media
- Measurement range **0-14 pH**
- **Digital, low maintenance** and **high pressure-resistant**
- Intelligent Sensor Management (**ISM[®]**) Technology, simplifying maintenance procedures
- **replaceable on-site**
(in zone 1+2 in accordance with the ATEX directive)

Reliable Sensor

The well-proven pH measurement with the digital ISM[®] sensor from Mettler-Toledo ensures stable and accurate readings.

The technical mature construction with open junction and the solid XERLOYT[®] Extra polymer electrolytes ensures a long life and a practically maintenance-free reliable pH-electrode.

Plug & Measure

All Mlog using ISM-Sensors are replaceable on-site (**simply and reliable**). That will help you to reduce the total operating costs.

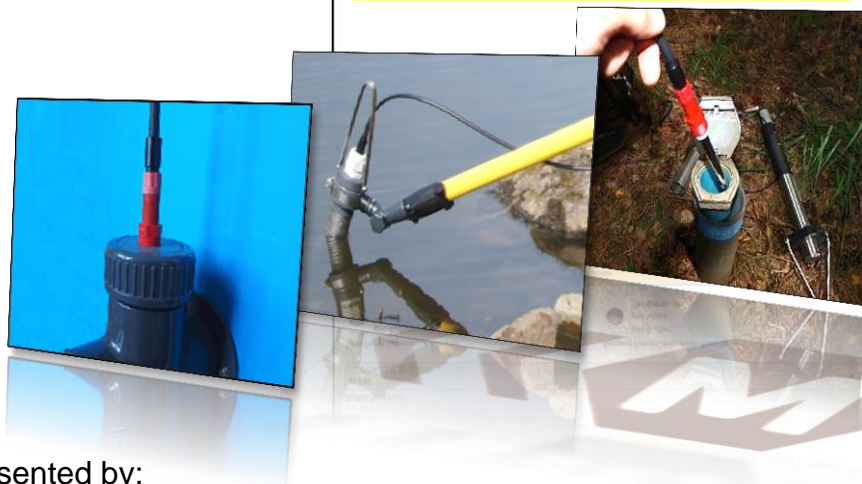
Easy Calibration

The ISM[®] sensor is easy to calibrate and the sensor data are readable via USB-dongle, computer and the free software iSenseLight or the optional ISM[®] iSense Asset Suite from Mettler-Toledo.

Technical data: Mlog pH-sensor InPro[®] 4260xi

ATEX certification	II 1/2 G ia IIC T6/T5/T4/T3		
Enclosure rating	IP 68		
Dimensions	Total	172 mm (6.77")	shaft 120 mm (4.72") Ø 12 mm (0.47")
Plug head	Pg 13,5 thread; IP 68		
pH-range	0...14 pH		
ORP (4260i SG)	-1500...+1500 mV		
Temperature	Total:	0 °C .. + 130 °C	(32°F...+266°F)
	Operation:	0 °C .. + 100 °C	(32°F...+212°F)
Max. pressure	0...16 bar at 25°C		(232 psi at 77 °F)
	0... 8 bar at 130°C		(116 psi at 266 °F)
Reference system	Ag / AgCl		
Reference electrolyte	XERLOYT [®] Extra		
Type of junction	Open junction (direct contact polymer surface and medium)		
Glass membrane	HA (highly alkaline) quality glass		
Mlog connection intrinsically safe sensor connection	Digital ISM-1wire-bus (max. length 10m) ISM [®] Uo 6.6 V; Io 8 mA; Lo 100mH		

The screenshot displays the iSenseLight software interface. At the top, it identifies the sensor as InPro3100r/SG with Part Number 52003515, Serial Number 9150107, and Manufacturing Date 4/6/2009. The 'Last Adjustment' section shows a date of 4/28/2009, a slope of -59.0 mV/pH, and a zero point of 7.06 pH. A 'Dynamic Lifetime Indicator' shows 730 days remaining. The 'Two-Point Calibration' section includes instructions and a 'Calibration Progress' indicator. The 'Calibration Results' section shows a message: 'No results available. You have to perform a calibration before any results will be displayed below.' The 'Measurement Data' panel on the right shows: pH 4.78, pH Input 134.5 mV, Temperature 24.8 °C, ORP 360.0 mV, Glass Impedance 238 MΩ, and Reference Impedance 15 kΩ. The interface also features 'Adjust Sensor' and 'Generate Report' buttons, and the Mettler-Toledo logo.



Presented by:

