

Intelligent Optical Oxygen Sensor Easy Handling – Exceptional Performance



Easy handling

- Plug and Measure for fast start-up
- Pre-calibration in the lab with iSense software
- Compatible with digital and analog installations



Exceptional performance

- Improved optical technology ensures high accuracy
- Automatic Stability Control for superior measurement reliability



Uncompromized reliability

- Predictive maintenance
- Real-time status information through ISM diagnostics
- Pre-batch diagnostics with iSense software



Hygienic design

- PTFE coating on OptoCap sensing element prevents biofouling
- O-ring free OptoCap for excellent cleanability



ISM®

Intelligent Measurement System Simplified Usage – Improved Process Control

InPro 6860 i is fully equipped with Intelligent Sensor Management (ISM) technology to simplify sensor handling and reduce maintenance. With Plug and Measure functionality no configuration is necessary and the risk of handling errors is eliminated. Sensor diagnostics provide all necessary information for deciding if the sensor is good for the next batch. Sensor drift is automatically corrected for highest long term stability and precision of the measurement. Thanks to ISM technology inside the sensor, this compensation occurs even if the InPro 6860 i is directly integrated with an analog signal, not using a transmitter.

Intelligent tools, in particular the iSense software, offer easy sensor maintenance and calibration routines together with electronic documentation for validation. Together with METTLER TOLEDO's ISM compatible transmitters the InPro 6860 i provides outstanding performance.

METTLER TOLEDO

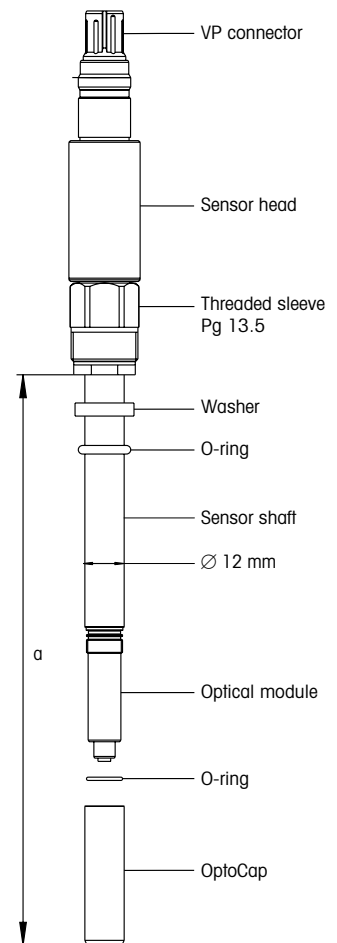
Technical data of the InPro 6860i

Measurement range	0 ... 60 % O ₂ saturation
Accuracy	± (1 % of the reading + 8 ppb)
Operating temperature	0 ... 60 °C
Mechanical temperature resistance	-20 ... 140 °C (32 ... 284 °F)
Operating pressure	0.2 ... 6 bar (0 ... 87 psi)
Mechanical pressure resistance	Max. 6 bar (87 psi)
Steam sterilizable and autoclavable	Yes
Cable connection	VP6/VP8 (analog/digital)
O ₂ wetted membrane material	PTFE
Shaft diameter	12 mm
Available lengths (a)	120 mm, 220 mm, 320 mm, 420 mm
Response time t ₉₈ at 25 °C Air to N ₂	< 70 s
Digital Integration (RS485)	ISM, MODBUS RTU*
Analog Integration	Simulated electrochemical nA signal or 4/20 mA active output*
Power supply	24 VDC; 0.1 A
Certificates	Quality certificate, Material certificate 3.1, Surface finish certificate 2.1, ATEX certificate (only mA version)

* MODBUS documentation and 4/20-output configuration tools are available at the InPro 6860i website

Additional information

Compatible Transmitters	Suitable Housings
M400 Type 2/Type 3	InFit 761 e
M400 FF/PA	InTrac 777 e/797 e
M800	



► www.mt.com/InPro6860i



Transmitters

Multi-parameter transmitters leverage the full ISM functionality of the sensors for best process control and ease of use



iSense

PC software tool to simplify calibration and documentation. iSense provides accurate pre-batch diagnostics for maximum reliability of the measurement



Management System certified according to ISO 9001 / ISO 14001

METTLER TOLEDO Group

Process Analytics
Local contact: www.mt.com/pro-MOs

Subject to technical changes
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