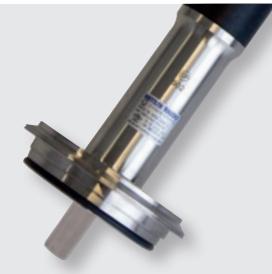


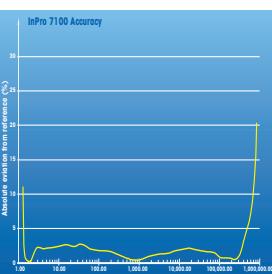
# InPro 7100(i) Series

# Conductivity Sensors For All Your Processes



## High versatility

The InPro™ 7100(i) is compatible with a wide choice of static (InFit™ and InDip™ series) and retractable (InTrac™ series) housings. Use with any process adaption is possible.



## WideRange technology saves costs and increases measurement accuracy

WideRange technology keeps the sensor design small and easy to fit, allowing installation in small diameter pipes (DN 50).

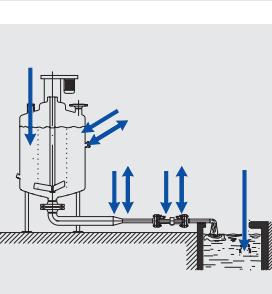


## Fast response time

The InPro 7100(i)'s response time allows quick detection of process changes, leading to better process control.

Benefits are:

- Increased yield
- Higher product quality
- Cost saving in the production process



## Easy process integration

The compact design of the InPro 7100(i) makes it compatible with the wide choice of Ingold housings, opening a wide range of integration options.



## InPro 7100(i) Series

### Versatile and Durable

The InPro 7100(i) series is designed for the Chemical, Pharmaceutical, Food & Beverage and Pulp & Paper industries. The PEEK shaft material offers high resistivity against aggressive liquids and is particularly suitable for processes with frequent CIP/SIP cycles.

While the InPro 7100 gives an analog output signal, the InPro 7100 i features our digital Intelligent Sensor Management (ISM™) technology. The benefits of ISM include fast measurement start up thanks to Plug and Measure. All relevant sensor data are stored on a microchip within the sensor's head and are automatically uploaded to the transmitter as soon as it is connected. The digital data transfer signal is insensitive to electro-mechanical interference and therefore ensures safety and reliability for your production processes.

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## Technical data of the InPro 7100(i) series

Electrode Material	316L SS (1.4435), or 2.4602
Body Material	PEEK
Temperature Range	-20 ... 150 °C (-4 ... 302 °F)
Process Adaption/Connection	Pg 13.5 thread
Max. Pressure	0 ... 20 bar at 135 °C (0 ... 290 psi at 275 °F) 0 ... 10 bar at 150 °C (0 ... 145 psi at 302 °F)
Sterilizability	max. 150 °C (max. 302 °F)
Cell Constant Nominal	0.31 cm <sup>-1</sup>
ATEX	Yes
Available Lengths	120 mm (4.72") 225 mm (8.86") 425 mm (16.73")

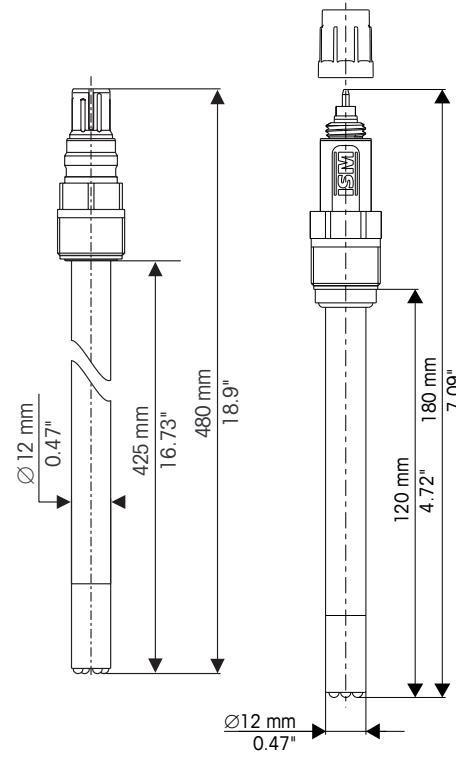
## Measuring range

Sensor	Transmitter					System accuracy
	M100	M200	M300	M400 (4-W/2-W)	M800	
InPro 7100	-	-	0.02-400	0.02-400	0.02-400*	5 %
InPro 7100i	0.02-500	0.02-500	0.02-500	0.02-500	0.02-500	5 %

All value in mS/cm

\* M800 1-channel only

► [www.mt.com/pro-InPro7100](http://www.mt.com/pro-InPro7100)



ISM

PROFI  
BUS

Fieldbus  
Foundation



ISM

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