

**INGOLD**

Leading Process Analytics

Dissolved Oxygen

Dissolved Carbon Dioxide

pH

Measurement Solutions



## Dissolved Oxygen Measurement

Solutions for Every Budget

**METTLER TOLEDO**

**DO, CO<sub>2</sub> & pH Sensors**

Measurement Solutions for Craft Brewers

Solutions for every budget

**Product Specifications****Durable Measurement Solutions for Brewing****Dissolved Oxygen (DO):**

METTLER TOLEDO offers the most accurate and cost-effective solutions for measuring dissolved oxygen in brewing applications. These robust optical dissolved oxygen sensors are durable and require very low maintenance.

Product	Application	Operating Range	Accuracy	Price
InPro6860i	General Purpose	0 ppb to Saturation	≤ ± [1% +8ppb]	\$2,482.00
InPro6960i	Wort Process	0 ppb to 25 ppm	≤ ± [1% +8ppb]	\$6,009.00
InPro6970i	Filling Process	0 ppb to 2000 ppb	≤ ± [1% +2ppb]	\$6,162.00

Note: Saturation = 300% air (63% O<sub>2</sub>)

**Dissolved Carbon Dioxide:**

Product	Application	Operating Range	Accuracy	Price
InPro5500i	Food & Beverage	0 to 15 g/L CO <sub>2</sub>	± 1% within ± 5% of calibration temperature ± 2% outside of calibration temperature range	\$6,009.00

**pH:**

Product	Application	Operating Range	Price
InPro3253i	Hygienic	0-12 pH	\$510.00
InPro3300	Hygienic	0-14 pH	\$535.00

Note: In most brewing applications the lifetime of these sensors is expected to be greater than 2 years.

**DO, CO<sub>2</sub> & pH Sensors**

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**Budget Friendly Options**

To measure pH and Dissolved Oxygen



**iSense software, iLink, and the InPro6860i**  
(measure, calibrate, and maintain with windows friendly software)



**InFlow 724-120**

**Option One:**

This cost effective measurement option utilizes free iSense software and a flow through housing to enable sampling at any location. The InFlow 724 provides a convenient means of sampling with 1/4" NPT inlet and outlet connections. The iSense software is simple to use for monitoring; designed so that you can focus less on your sensors and more on your process!

**Baseline Equipment:**

Product	Description	Price
iSenseLight	Software for using sensor on computer/tablet	Free
InFlow 724-120	Flow through housing for process sampling	\$347.00
<b>Total:</b>		<b>\$347.00</b>

**Optional: Add a DO Sensor**

Product	Description	Price
iLink - RS485/VP8	Connection from sensor of USB port	\$812.00
InPro6860i nA	Optical dissolved oxygen sensor	\$2,482.00
<b>Cost: +\$3,294.00</b>		
<b>Total Cost of DO Measurement System: \$3,641.00</b>		

**Optional: Add a pH Sensor**

Product	Description	Price
iLink 1-Wire / Bluetooth	Connection from sensor to computer / tablet via wire or Bluetooth	\$279.00
InPro3253i	pH sensor	\$510.00
<b>Cost: +\$789.00</b>		
<b>Total Cost of pH Measurement System: \$1,136.00</b>		
<b>Total Cost of pH &amp; DO Measurement System: \$4,430.00</b>		

# Portable Dissolved Oxygen Analyzers

Measurement Solutions for Craft Brewers

Solutions for every budget



Portable Transmitter Stand



M400 Type 2 Transmitter

**Did You Know**

The M400 Type 2 transmitter can be used to measure pH, DO, gaseous oxygen, and conductivity.

**Option Two:**

This option eliminates the need to use a computer/tablet. The M400 type 2 transmitter has the capability of outputting a 4-20 mA signal for data logging and/or process control. The transmitter is powered from an external 24DC or 110AC power source and can be wired with a power cord for simple connection to a standard outlet. This system can also be used for at-line sampling at multiple measurement points.

**Baseline Equipment:**

Product	Description	Price
M400 Type 2	Transmitter	\$2,039.00
Transmitter Stand	Portable Transmitter Stand	\$233.00
InFlow 724-120	Flow through housing for process sampling	\$347.00
		<b>Cost: \$2,619.00</b>

**Optional: Add a DO sensor**

Product	Description	Price
VP8-ST/1M	Connects the sensor to the transmitter	\$173.00
InPro6860i nA	Optical dissolved oxygen sensor	\$2,482.00
		<b>Cost: +\$2,655.00</b>
<b>Total Cost of DO Measurement System: \$5,274.00</b>		

**Optional: Add a pH Sensor**

Product	Description	Price
InPro3253i	pH sensor	\$510.00
AK9/1M	Connects the sensor to the transmitter	\$101.00
		<b>Cost: +\$611.00</b>
<b>Total Cost of pH Measurement: \$3,230.00</b>		
<b>Total Cost of pH &amp; DO Measurement System: \$5,885.00</b>		

**In-line Measurement Solutions:**

- Dissolved oxygen Sensors - capable of direct 4-20mA output for transmitter free integration
- Dissolved CO2 Sensors
- Conductivity Sensors
- Turbidity Sensors

**Contact Us:**

For product inquiry, please contact (781) 301-8800.