

Pump Module



THORNTON

Leading Pure Water Analytics

Pump Module

Valveless Design

Drift-free performance



Reliable Sample Delivery
Total Organic Carbon Monitoring

METTTLER TOLEDO

TOC Pump Module

For Stable Sample Delivery

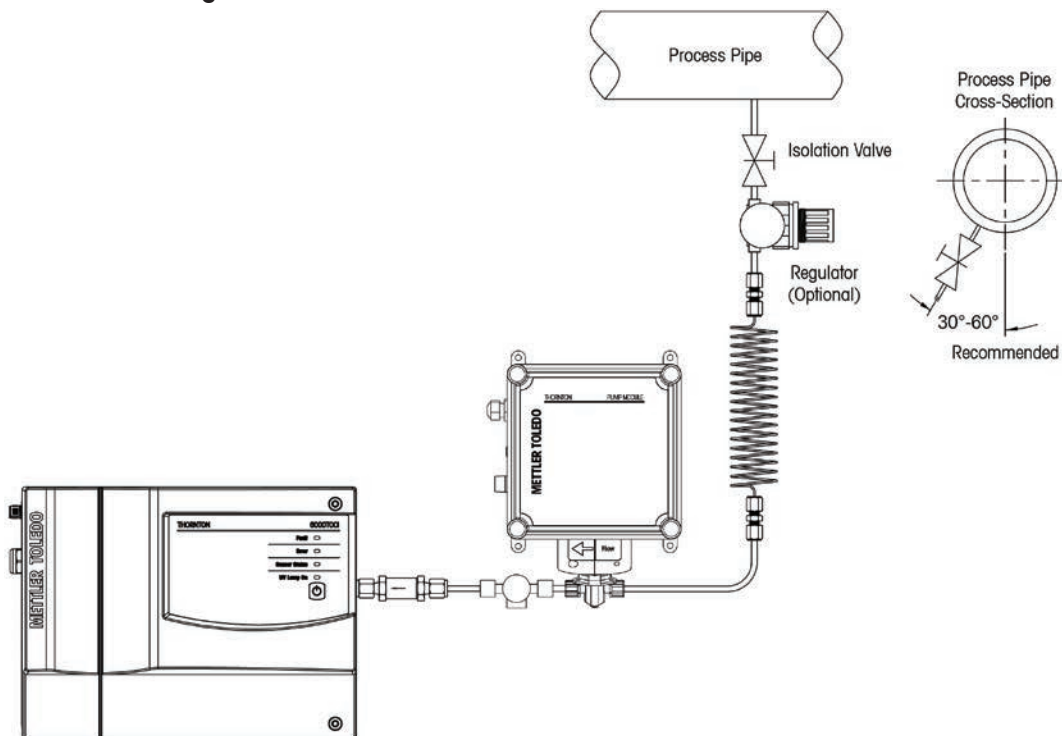


The Pump Module uses a precision, positive displacement pump to provide a highly stable, metered flow of process water to the TOC sensor to ensure reliable and consistent TOC measurement performance. This accessory is recommended for applications where system pressure is either too low to provide adequate flow through the TOC sensor, or for low-pressure applications where system pressure may vary routinely during operation. The Pump Module is ideally suited for applications such as distillation, RO permeate, CIP and pharmaceutical washing.

Features

- Positive Displacement Pumping Mechanism
- Flow rate independent of supply pressure
- Requires only a wetted-suction for operation
- Flow pre-set for 20 ml/min or 8.5 ml/min
- Universal AC Supply

Installation Diagram - 6000TOCi Sensor



Specifications

Sample Water Requirements

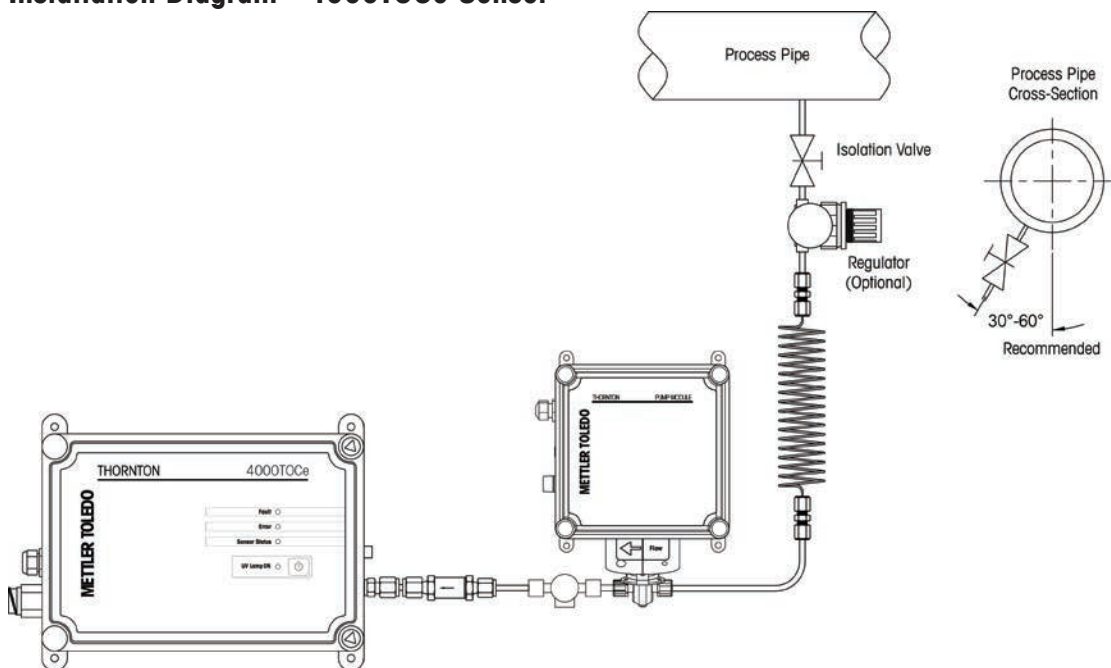
Temperature	0 to 100 °C *
Particle Size	<100 micron
Flow rate	20 ± 0.5 ml/min; 8.5 ± 0.25 ml/min
Pressure	Flooded suction to 60 psig (4.13 bar(g)) at sample inlet connection

General Specifications

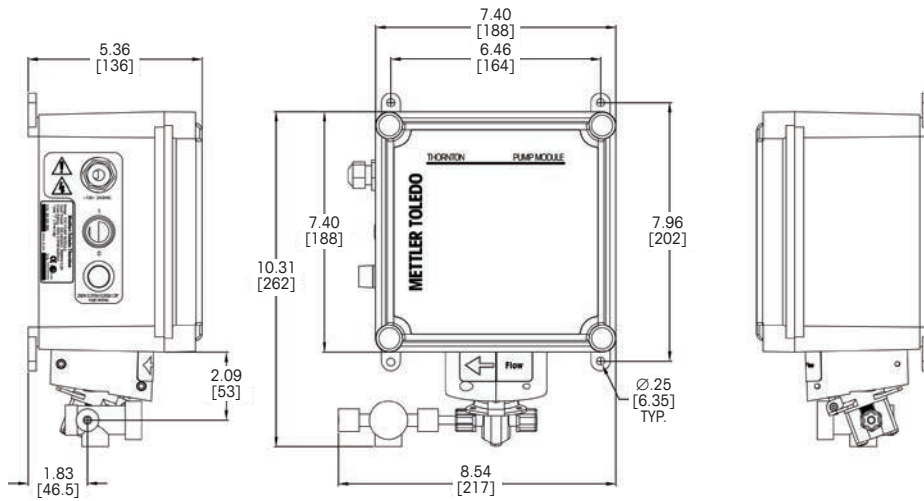
Overall Dimensions	7.4" [188 mm] W x 7.4" [188 mm] H x 5.25" [133 mm] D	
Sample Connections	Inlet:	0.125" [3 mm] O.D. (6' [2 m] FDA compliant PTFE tubing supplied)
	Outlet:	0.125" [3 mm] O.D. PTFE flexible tubing
Weight	5.0 lb [2.3 kg]	
Ambient Temperature/ Humidity rating	5 to 50 °C / 5 to 80% Humidity, non-condensing	
Enclosure material	Polycarbonate plastic, flame retardant, UV and chemical resistant UL # E75645, Vol.1, Set 2, CSA #LR 49336	
Power requirements	100-240VAC, 50/60 Hz, 0.2A	
Wall Mount	Standard, mounting tabs provided	
Ratings/Approvals	CE Compliant, UL and cUL (CSA Standards) listed.	

* Temperature above 70 °C requires Sample Conditioning Coil p/n 58 079 518

Installation Diagram - 4000TOCe Sensor



Dimension Diagram



Pump Module Dimension Diagram
Dimensions in inches [mm]

Ordering Information

Description	Order No.
Pump Module 20 ml/min (for use with the 4000TOCe sensor)	58 091 565
Pump Module 8.5 ml/min (for use with the 6000TOCi sensor)	30 472 152

Pump Module Spare parts

Pump Seal Replacement Kit	58 091 020
Replacement Fitting Kit	58 091 021
Replacement fuse (Fuse rating 250V 0.375A 5x20mm Type 'T' (Time Lag))	58 091 024
Pulsation Dampener with interconnect	58 091 025
Pulsation Dampener Bellows Replacement Kit with Seal	58 091 026

www.mt.com/thornton

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METTLER TOLEDO Group
Process Analytics Division
Local contact: www.mt.com/pro-MOs

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Quality certificate.
Development, production and testing to ISO 9001.



CE Compliant



UL listed
Meets Canadian Standards