

Forbes Marshall Turbidity Analyser

Turbidity Monitor Sensors
FMTC-100/FMTC-500/FMTC-3000

Transmitter
FMSC-T3

Display
FMTC-100H



Forbes Marshall range of Turbidity Analysers
for Raw Water, Effluents & Treated water applications.

Innovative features

Built-in wiping cleaning system certainly keeps lenses clean.

"Easy to Clean" Scratch-proof sapphire glass for the optical windows

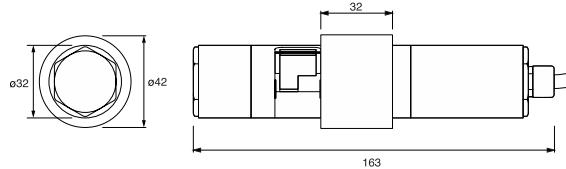
Compact size can fit into any installation site

Your Process, Our Analytics

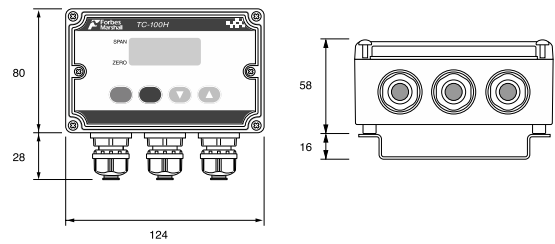
Specialists in Process Efficiency and Energy Conservation

DIMENSIONS

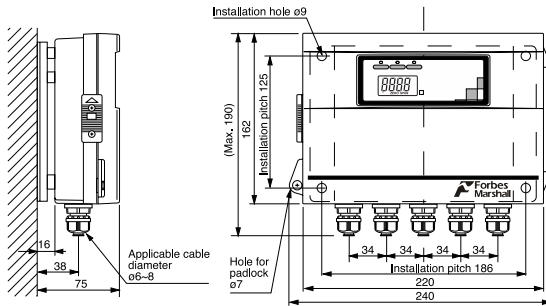
FMTC-100/500/3000



FMTC-100H



FMSC-T3



SPECIFICATIONS

Model No.	FMTC-100	FMTC-500	FMTC-3000
Measuring range	0-100 (FTU)	0-500 (FTU)	0-3000 (FTU)
Power Supply	DC 12V±10%		
Current Draw	At regular operation: 30mA (Max.), At cleaning operation: 240mA (Max.) (excluding analog signal output)		
Output	Analog (4-20mA) signal output: resistance load of 300Ω(Max.) 4mA: 0 FTU 20mA: 100 FTU (FMTC-100), 500 FTU (FMTC-500), 3000 FTU (FMTC-3000) Self-checking output: open collector (12VDC 20mA Max.) calibration signal input		
Input			
Cleaning system	Both sided swing wiper cleaning system		
Time interval for cleaning	Clean once immediately after power-on, and subsequently clean once every 30 minutes	Clean once immediately after power-on, and subsequently clean once every 10 minutes	
Operating Temperature	0~60°C (unfrozen)		
Major Material	SUS 316L, sapphire glass, fluorocarbon rubber, EPDM, POM		
Dimensions	ø32x163mm (excluding horizontal hanging attachment)		
Weight	approx. 930g		
Degree of Protection	IP 68, maximum depth of 2 meters (underwater type)		
Detector cable length	10m		
Option	Display (FMTC-100H), Transmitter (FMSC-T3), Mounting attachment (FMTA-1), Maintenance Kit (TC-MK)		

Model No.	FMSC-T3
Power Supply	AC100~240V±10% 50/60Hz
Voltage Draw	At regular operation: 8VA (Max.) At cleaning operation: 16VA (Max.) (including analog signal input/output 20mA)
Display Resolution	FMTC-100: 0.1 FMTC-500: 1 FMTC-3000: 5
Output	Calibration output Power supply for detector (12 VDC) Analog (4-20mA) signal output: resistance load of 300Ω Max. Self-checking output (non-voltage C-contact capacity 240 VAC, 1A resistance load) Alarm output (non-voltage C-contact capacity 240VAC 1A resistance load)
Input (detector)	Detector signal input (analog 4-20mA, input resistance approx.100Ω)Self-checking input ± 2% of F.S.
Accuracy	
Repeatability	Better than ± 2% of reading
Response Time	Less than 5 seconds
Mounting	Pipe / Wall
Operating Temperature	-20~+50°C Humidity: 95%Rh Max. (Not exposed to direct sunlight)
Major Material	Polycarbonate
Dimensions	HxWxD= approx. 162X240X75 mm
Degree of Protection	IP65 (jetproof type)
Option	Hood kit (TP-FK2), Pole stanchion (PS-1)

Model No.	FMTC-100H
Power Supply	DC 12V±10%
Voltage Draw	At regular operation: 90mA (Max.) At cleaning operation: 300mA (Max.) (including analog signal input/output 20mA)
Display Resolution	FMTC-100: 0.1 FMTC-500: 1 FMTC-3000: 5
Output	Calibration output Power supply for detector (12 VDC)
Input (detector)	Detector signal input (analog 4-20mA, input resistance approx.100Ω)Self-checking input
Operating Temperature	-20~+50°C Humidity: 95%Rh Max. (Not exposed to direct sunlight)
Major Material	Polycarbonate, AES
Dimensions	HxWxD= approx. 80X124X58 mm
Degree of Protection	IP 65 (jetproof type)

Note: Specifications and design are subject to change without prior notice.

CIG | FMAlytics | 0508 | Rev2 | Solutions

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