

# Suspended Solids Analyser

Transmitter FMSC-T4, Sensor FMTCS-1000

Forbes Marshall's suspended solid analyser for raw water, effluents and treated water applications.

## Innovative Features

Built-in wiping system keeps lens clean

"Easy to Clean" scratch-proof sapphire glass for optical windows

Compact size, can fit into any installation

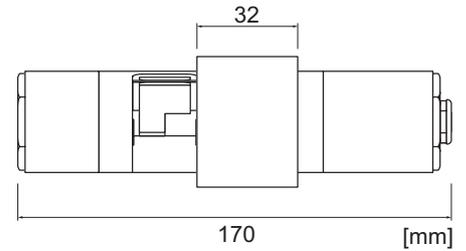
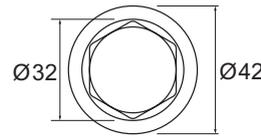
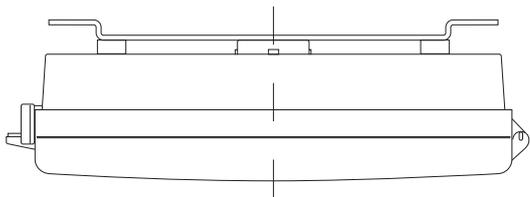
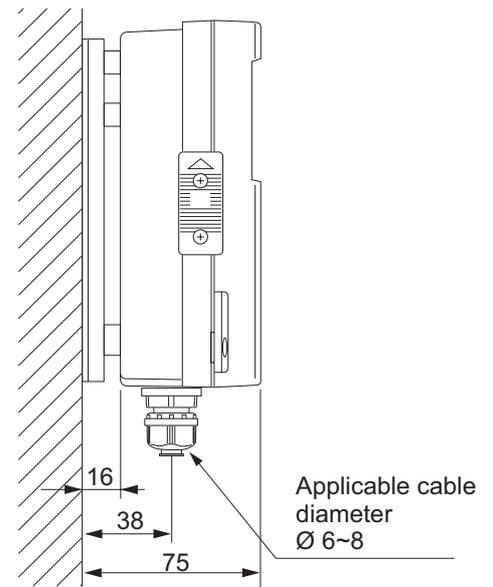
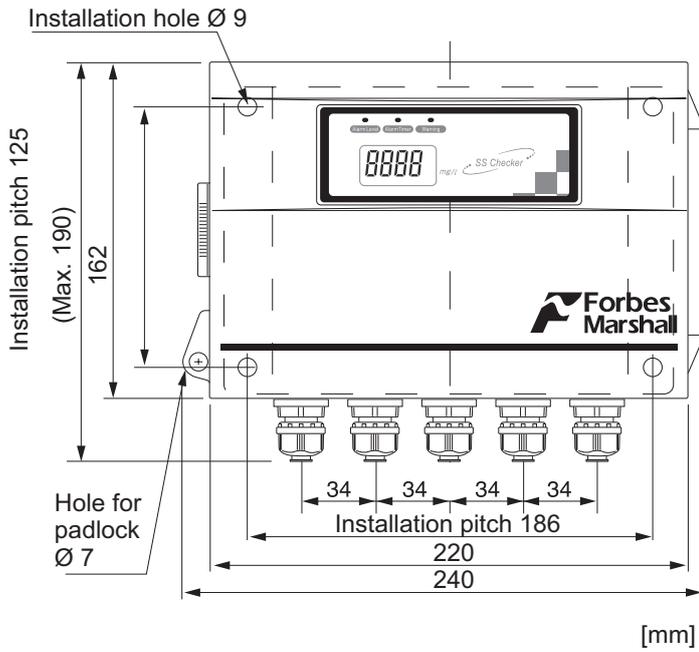


## Specifications

Model No.	FMSC-T4
Power supply	AC100 ~ 240V±10% 50/60Hz
Power consumption	Normal: SVA or less, during washing: 16VA or less (including detector, at the time of analog signal input / output of 20mA)
Display resolution output	0.1mg/l (0-49.9mg/l), 1mg/l (50-1000mg/l) calibration output Power supply for sensor (12 VDC) Signal output (analog 4-20mA, resistance load of 300 W or less) Self-checking relay output (non-voltage C-contact capacity 240 VAC, 1A resistance load) Alarm relay output (non-voltage C-contact capacity 240 VAC, 1A resistance load)
Accuracy	+/-3% of full scale
Input (detector)	Detector signal input (analog 4-20mA, input resistance approx. 100 Q) self-checking input
Operating temperature	-20 to +50 °c, humidity 95%Rh or less (avoid direct sunlight)
Main material	Polycarbonate
Dimensions	HxWxD = approx. 162x240x75 mm
Weight	Approx. 1.6kg (including mounting brackets)
Degree of protection	IP65 (jetproof type)

Model no.	FMTCS-1000
Measuring range	0-1000 (mg/l)
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 300 W (Max.) 4mA: 0 (mg/l) 20mA: 1000 (mg/l) Self checking output: open collector (12VDC 20mA Max.)
Input	Calibration signal input
Cleaning system	Both sided swing wiper cleaning system
Time interval for cleaning	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	Ø 32x170mm (excluding horizontal hanging attachment)
Weight	Approx. 930g
Degree of Protection	IP 68, maximum depth of 2 meters (underwater type)
Detector cable length	10m

## Dimensions



## Ordering Information

Part No.	Description
FMSST-SC-T4	Suspended Solids Transmitter Model SC-T4
FMSSS-TCS-1000	Suspended Solids Sensor Model TCS-1000
ZWF10240A	Flow Through Chamber In PP For Sensor
ZWF13280A	2 Mtr Dip Type System In PP With Mounting Clamps For Sensor



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