Total Suspended Solids Analyser FMTSS-Mx(E)

High Level Measurements with EPA Compliance

Features

90 degree scattered light method

The TSS sensor of the FMTSS-Mx (E) uses the 90 degree scattered light method, a global EPA standard.

Sapphire glass optical windows

The optical windows are made of hard-toscratch sapphire glass. This facilitates scrubbing of the window surface to keep the TSS sensor clean.

Built-in wiper cleaning system

The built-in wiper cleaning system easily keeps the lenses clean.

Compact design

The compact design makes installation easy.

Specifications

Type	SS Monitoring
Model no.	FMTSS-Mx(E)
Measuring range	0-50,000 mg/l
Accuracy	±3% of reading or +/- 300 mg/l which ever is greater
Repeatability	± 2% of reading
Response time	5 sec (programmable 5 to 120 sec)
Power supply voltage	100-240V AC ±10% 50/60Hz
Power consumption	Normal: 15VA or less, during cleaning: 22VA max
Display resolution	110 mg/l
Output	Signal output (analog 4-20mA, resistance load of 300 W max)
	Self-checking relay output (non-voltage C-contact capacity 240VAC, 1A resistance load)
	Alarm relay output (non-voltage C-contact capacity 240VAC, 1A resistance load)
Alarm timer	1 to 120 minutes (adjustable)
Calibration	Distilled water
Cleaning system	Automatic wiper cleaning system
Time interval for cleaning	10 to 240 min (selectable)
Measuring water temperature	0 to 60ºC (unfrozen)
AmbientTemperature	Transmitter: -20ºC to +50ºC, humidity 95% Rh or less (Avoid direct sunlight)
Operating altitude	Altitude up to 2000m
Main material	Sensor : SS316L, sapphire glass, fluorocarbon rubber, EPDM, Polyolefin (cable)
	Transmitter : Polycarbonate
Dimensions	Sensor : approx. Ø 48 x 133 mm
	Transmitter : approx. W x H x S 240 x 162 x 75 mm
Weight	Sensor : approx 1.0 kg
	Transmitter : approx. 1.6 kg
Degree of protection	Sensor : IP68, maximum depth of 2m (underwater type)
	Transmitter : IP65 (jetproof type)
Sensor cable length	10m
Option	TSC-MK: maintenance kit,

Applications

Potable water

Filter efficiency and backwash

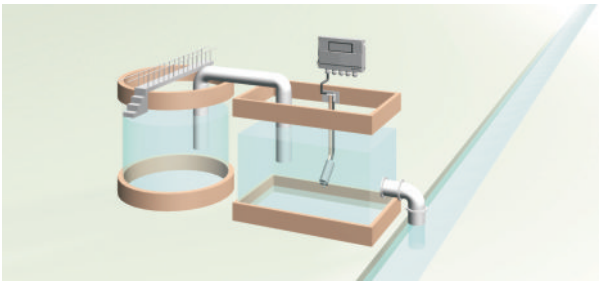
Surface water monitoring of lakes, rivers and streams

Water recycle and discharge

Plant effluent and offsite water

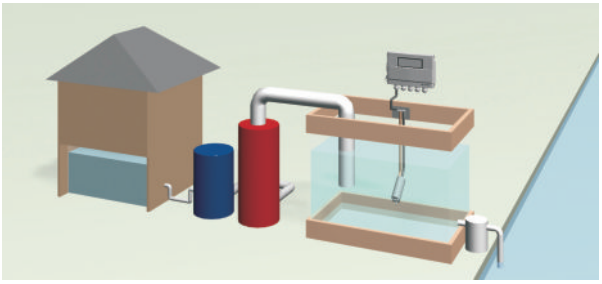
Phase separation and other process applications

Measurement of the effluent



Measuring the turbidity of the effluent from the waste water treatment plant makes it possible to monitor the treatment condition.

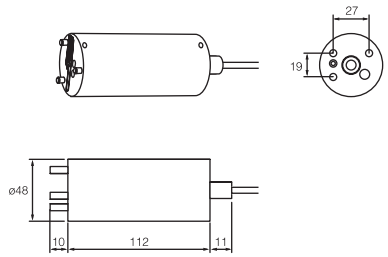
Measurement of the intake water



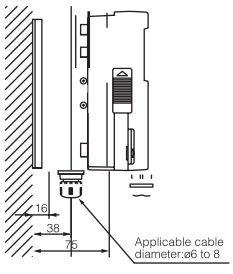
Measuring of the intake water for drinking water manufacturing process makes it possible to prevent any trouble that may be caused by sudden turbidity change.

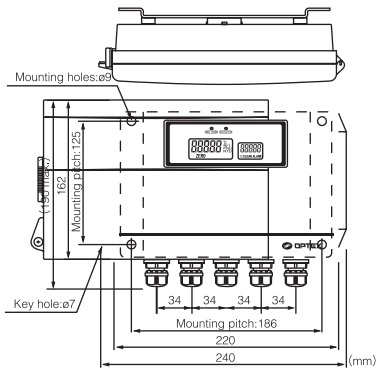
Dimensions

Sensor



Transmitter





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