

# MLSS

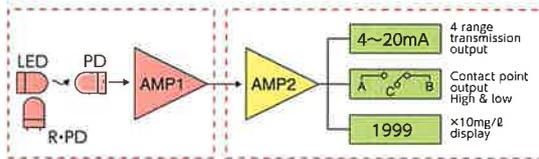
## 19 MC-502

## MLSS Monitor

Continuous Measurement of activated Sludge Density (MLSS) in an Aeration Tank



### Measuring theory



### Features

- As this detector is near-infrared ray transmission light type, it brings you stable and continuous measurement without influence by outer light or coloring.
- As this detector uses strong chemical proofed optical window against dirt, a cleaning unit is not necessary as its self cleaning system.
- As the calibration filter is attached as standard, span calibration is easy.
- 2~4 point zero and span calibration is possible.

### Usage

- Activated sludge density of sewage, human waste, combine septic tank, agriculture village, factory effluent, and measurement of returned sludge density
- Muddy sludge, turbidity and density of various process

### Meter

Measuring system	Near Infrared Transmission Light System
Measuring object	Activated sludge density, high density turbidity
Display	LED 3-1/2 digits
Measuring range	0~19990 mg/L (0~1999×10mg/L) *for convenience' sake, it may be indicated as 0~20000mg/L
Minimum resolution	1×10mg/L
Accuracy	Within ±5%(FS) under certain conditions
Transmission output	DC 4~20mA (isolation type) 4 range switch ① 0~2500 mg/L (0~250×10mg/L) ② 0~5000 mg/L (0~500×10mg/L) ③ 0~10000 mg/L (0~1000×10mg/L) ④ 0~19990mg/L (0~1999×10mg/L)
Contact point output	High a, low b point, (non voltage) Contact point capacity: AC 200V 1A (resistant load) or less
Hold output	Transmission output and contact point output is held by non voltage contact signal from outside.
Calibration	Zero: with distilled water or tap water Span: ① sludge with already known density by manual analysis (the first standard) ② simplified calibration with calibration filter (the second standard)
Power source	AC 85~240V 50/60Hz
Outer dimensions	96(W)×96(H)×163(D)mm
Standard components	Converter, detector, panel fixing device, calibration filter, Handling Instruction

### Detector

Product Name	MLSS detector
Model	① standard type SSD-110N-6 ② immersive type SSD-110HN-6
Detector cable length	6m (standard)
Sample water	Temperature 0~40°C or less No coexistence of solvent, hydrogen peroxide, strong oxide
Liquid junction	POM, SUS304, PVC *If sample water is chemicals, possible to change to stainless steel junction treated with fluorine or resin. (optional)
Detector holder length	1.5m (standard)