

MP-3100 Multi-parameter Transmitter



Application area

Widely used in the field of process waste water treatment, clean water, loop water, boiler water, electronics, electroplating, printing and dyeing, chemical, food, pharmaceutical and so on, in large sewage treatment plants, industrial process monitoring, and other applications, performance excellence.

Features

- ◆ 310*190 multi-parameter controller microcomputer design
- ◆ Waterproof & dustproof proof design, to fit wall installation
- ◆ Can be stored at the same time the values of the parameters, can be viewed in the past record
- ◆ Scalable wireless transmission function, or Ethernet network
- ◆ Large touch panel display, and six kinds of the same image or different parameters
- ◆ Electrode signal can be extended, without the influence from distance
- ◆ 6 sets of Relay, 4 sets of current as well as a set of RS485 outputs

Parameters

Range	Depending on the sensor
Resolution	Depending on the sensor
Accuracy	Depending on the sensor
Reproducibility	Depending on the sensor
input resistance	>10 ¹² Ω
Digital filtering	
0~60 seconds adjustable / factory set value 30	
temperature compensation	
Automatic recognition with Pt1000/NTC30K or manual	
Correction mode	
Two or three-point calibration, offset correction (providing three zones Section optional)	
Hi/Lo Relay Output	
6 sets Hi/Lo programmable, N/OFF, 240VAC/ 0.5A Max	
Analog Output	
2 sets of programmable & isolate current DC 0/4~20mA with programmable	
Cable	PVC



Specifications

AC supply	100V...240VAC±10%,50/60Hz
Temp	0...50°C
Dimensions	310mm×190mm×120mm(H×W×D)
Protection	Correspond to IP65(NEMA 4)
Installation	Wall
Weight	0.8Kg

Ordering Guide

Transmitter

- ◆ MP-3100
- ◆ MP-3100RS RS-485

Standard

- ◆ PH digital electrode
- ◆ Electrical conductivity digital electrode
- ◆ DO digital optical oxygen electrode
- ◆ Turbidity digital electrode
- ◆ Sludge concentration digital electrode
- ◆ Digital electrode

Multi-parameter electrode and accessories

MD1900 Optical dissolved oxygen electrode

Feature

- ◆ fluorescence principle, needn't to replace the membrane and electrolyte
- ◆ Do not consume oxygen, no flow rate and agitation requirements, high accuracy
- ◆ Automatic detection feature ensures that the measured value
- ◆ No flow requirements, can be measured in still water

Specification

- ◆ Range: 0...20mg/l(0...20ppm)0...200%SAT
- ◆ Repeatability: +/-0.5%FS
- ◆ T90: 60S
- ◆ Material: Noumenon: SUS316L stainless steel titanium, Phosphor layer cap: POM, fluorescent layer: Silicon
- ◆ Screw connection: G1
- ◆ Cable: 80m



pH Digital electrode

Feature

- ◆ Hole technology to replace common ceramic membrane technology, porous ceramic is 200 times larger
- ◆ POLISOLVE The reference was a lot of resistance to organic solvents
- ◆ In low conductivity samples equally well

Specification

- ◆ Test Range: 0...14pH
- ◆ Pressure range: 0.6MPa
- ◆ Temperature range: 0...60°C
- ◆ The minimum sample conductivity: 2us/cm
- ◆ Reference electrolyte: POLISOLVE



MCS1408 graphite electrodes

Feature

- ◆ In the solution of higher concentration, the electrode is not easy to be polarized, and the stability of the data is stable. Good reproducibility
- ◆ Easy maintenance, the four electrodes on a flat surface is easy to clean
- ◆ In low conductivity samples equally well

Specification

- ◆ constant: 0.4...0.7
- ◆ Test Range: 0...200ms/cm
- ◆ Pressure range: 0.6MPa
- ◆ Mounting dimensions: 3/4NPT



MTU100 / 500/5000 Digital turbidity electrode

Feature

- ◆ Using precision optical components
- ◆ Sensor Check electrode self-test function to ensure reliable operation
- ◆ Long-term stability
- ◆ Installation and maintenance easy

Specification

- ◆ Test Range: 0...100/500/5000NTU
- ◆ Reproducibility: Full range of +2%
- ◆ Pressure range: 0.6Mpa
- ◆ Temperature range: 0...90°C



Other Options:

- ◆ Conductance digital electrode
- ◆ Other digital electrode
- ◆ A converter module
- ◆ PC software