



Industrial Online Monitoring Instrument Series



Industrial Online Suspended Solids / Sludge Concentration Meter

MS6000SG

Product Technical Specification | July 2026

Nanjing Jiuyuhui Environmental Technology Co., Ltd.
www.jiuyuhub.com

Product Overview

The MS6000SG uses 90-degree optical scattering method to measure suspended solids. Range 0-10000 mg/L or 0-450 g/L, IP65, 4-20mA+RS485, dual relay control. Widely used in drinking water sludge treatment, wastewater aeration tanks, and thickeners.

- Scattering
- 0-10000mg/L
- Sludge
- IP65
- 4-20mA+RS485

Key Features



90° Scattering
Optical measurement principle, stable and reliable.



4-20mA+RS485
Isolated 4-20mA + RS485 interface.



Dual Relay Control
Hi/Lo limit alarm with 2 SPST relays.



IP65 Protection
Dust/water resistant, long-term stable operation.



Wide Temp/Pressure Comp.
Auto temp + pressure compensation.



LCD + CN/EN Menu
LCD screen with Chinese/English menu.

Technical Specifications

Parameter	Specification
Model	MS6000SG
Principle	90° scattering
Range	0-10000 mg/L or 0-450 g/L
Resolution	0.1 mg/L or 0.1 g/L
Accuracy	+/-5% F.S.
Temperature Range	0-50C
Detection Limit	<=5 mg/L
Pressure Comp.	600-2000 mbar
Mounting	Wall or panel mount
Output	4-20mA (isolated)
Comm.	RS485 (optional)
Relay	2x SPST (2.5A 230VAC)
Cleaning/Alarm	Optional 3rd
Power	85-260VAC or 12-36VDC
Operating Env.	0-60C, <90%RH
Protection	IP65
Dimensions	Wall 158x188x108 mm / Panel 108x108x156 mm
Weight	Wall 0.7 kg / Panel 0.6 kg

Maintenance	Optical probe requires periodic cleaning; optional auto-clean
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Typical Applications

- ▶ Drinking water sludge concentration
- ▶ WWTP aeration tank MLSS monitoring
- ▶ Industrial wastewater sludge control
- ▶ Thickener sludge interface

Ordering Guide

Product Code	Description
MS6000SG	Wall/panel-mount controller + probe

Accessories / Consumables

Accessory	Specification	Note
SS Probe	-	Optical probe
Auto-Cleaning	-	Optional

Why Choose Jiuyuhub

**Application-First Matching**
Recommendations based on your operating conditions.

**Southeast Asia Adapted**
Optimized for tropical environments.

**One-Stop Supply**
Water quality, fluid control, flow measurement.

**24-Hour Response**
Fast response to inquiries.

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