Cost effective | Reliable | Efficient

Accurate
Sludge Level Management

SL-300S

ULTRASONIC SLUDGE LEVEL METER

SONDAR™

SONDAR™

ULTRASONIC SLUDGE LEVEL METER

SL-300S with SXD-10A



SL-300S is an Ultrasonic Sludge Level meter which provides effective sludge level monitoring information for wastewater plants. It measures the solid and liquid interfaces in thickeners, settling tanks and other similar vessels. It also provides a hinged swing bracket that secures surface skimmer passages. This is combined with automatic sensor cleaning wiper that cleans the scum off the face of sensor. The wiper of the sensor cleans the face of the sensor every 2 minutes for maintenance-free operation. The high frequency sensor is optimized for the sedimentation basin in wastewater plants where the high density sludge settles down. It is efficient to monitor the sludge level properly.

Features

- User Friendly Menu
- Visualized Echo signal
- 4 Relays
- Error Instruction Guide by QR Code Scanning
- RS232, RS485, Modbus
- Data Downloading & Firmware Upgrading by USB
- Auto Cleaning Wiper for Sensor face
- Water-Proof Sensor Connector

Technical Specification

SL-300S (Controller)

Measurement Method	Ultrasonic Measurement
Measurement	Sludge Level, Echo profile
Accuracy	1% of F.S
Resolution	10mm
Output	Analog 1ea, 4~20mA, 750Ω Relay 4 Relays Digital RS232, RS485, Modbus
Display	Illuminated Graphic LCD
IP Rating	IP65
Temperature	-20℃~60℃
Material	Polycarbonate
Dimension	166(W)×250(H)x95(D) mm
Weight	ca. 2kg
Power Supply	100~230V AC±15%, 50/60Hz, 35VA(17W) Fuse: 250V T1.0A

SXD-10A (Sensor)

Range	0.3~10m
Beam Angle	2.5°at -3dB
Cable Connector	Brass (Nickel plating,3bar,IP68)
Weight	3.0kg
Material	ACETAL
Temperature Compensation	Built-in temperature sensor
IP Rating	IP68
Cable	7 Core Shield(AWG24)
Cleaning	Auto Cleaning wiper
Certificate	CE, UL, FCC

* The technical specification is subject to change without prior notice.

Designed, Developed, Manufactured by

IS Technologies Co.,Ltd.

21, Venture-ro 100beon-gil, Yeonsu-gu,
Incheon City, 406-840, Republic of Korea
Tel. +82 32 850 2624
Fax. +82 32 850 2612
Email. sales@sondar.com
www.sondar.com

Represented by