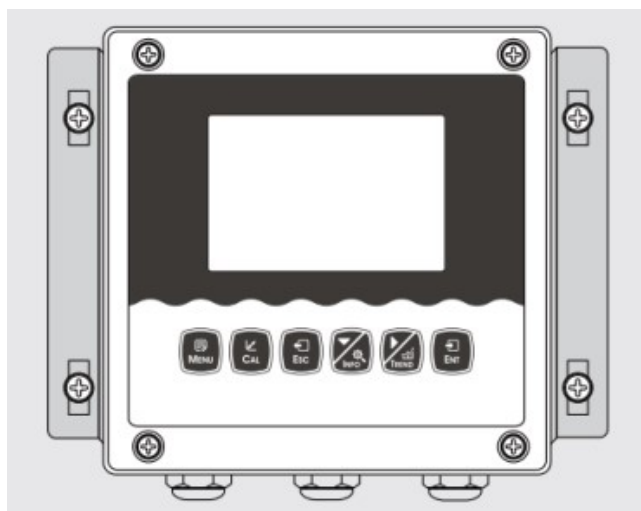


GE-102S Ultrasonic Sludge Interface Level Meter



The GE-102S level meter is specially designed to measure the interface for sludge, it could be continual and online to monitor the sludge interface level in the sewage waste water treatment field. This Sludge Level Meter could measure the position and height of sludge by the principle of ultrasonic echo, it will be real-time to monitor the thickness and depth of sludge, and to control the progress online. Then it could avoid the water quality deterioration and sludge denitrification & digestion.

This Sludge Interface Level Meter have perfect function to measure the depth, and control, data transmit, communication, with depth data output via an RS485 serial port, or 4~20mA output. It is widely used in the sewage sedimentation tank, primary settling tank, secondary sedimentation tank, sludge thickening tank, very useful in the building of waterworks, ore washery, sewage treatment.

Technology Specification:

Measuring range: 0.2~12m

Resolution: 0.001m

Intrinsic error: $\pm 1\%$ F.S

Temperature: -10~150°C

Output: 4~20mA +RS485

Other function Data recording, curve display, data uploading

Relay control contact 3 Groups: 5A 240VAC, 5A 28VDC or 120VAC

Power supply: 9~36VDC, DC24V is standard

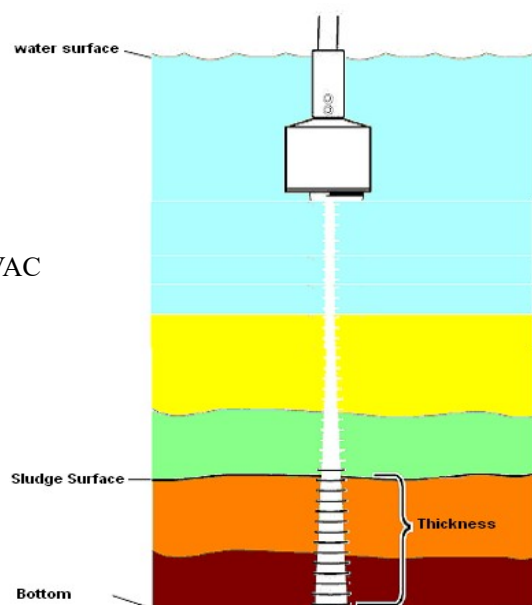
Power: ≤ 3 W

Work environment No strong magnetic field around except the geomagnetic field.

Environmental temperature -10~60°C

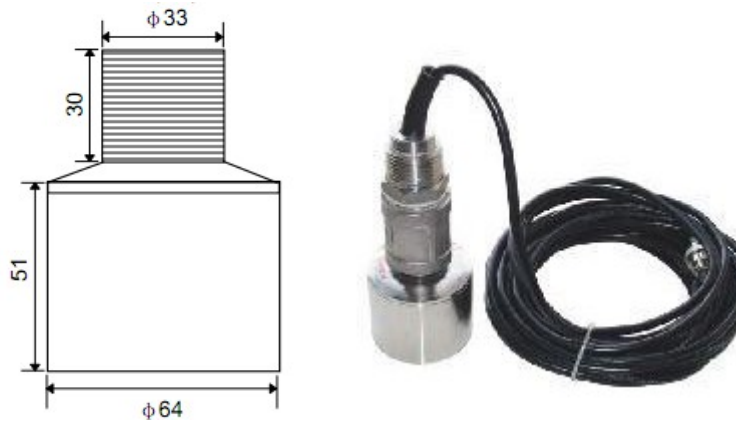
Relative humidity No more than 90%

Protection grade IP65

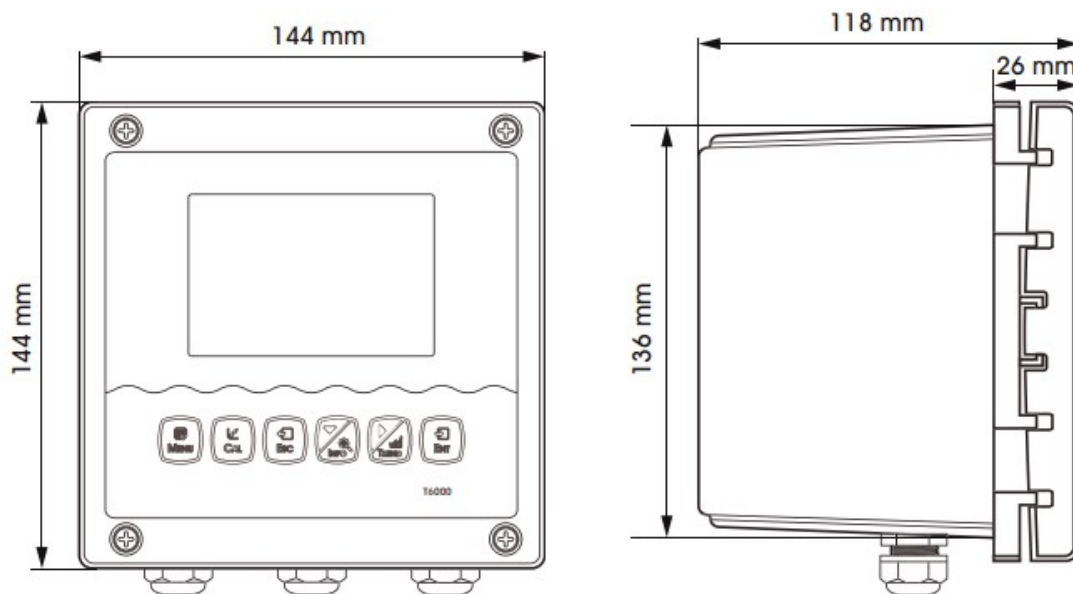


Data for Sensor:

- * Thread: G3/4”
- * Work Temperature: 0~40C
(higher temperature need custom-made)
- * Cable Length: 10m
- * IP68



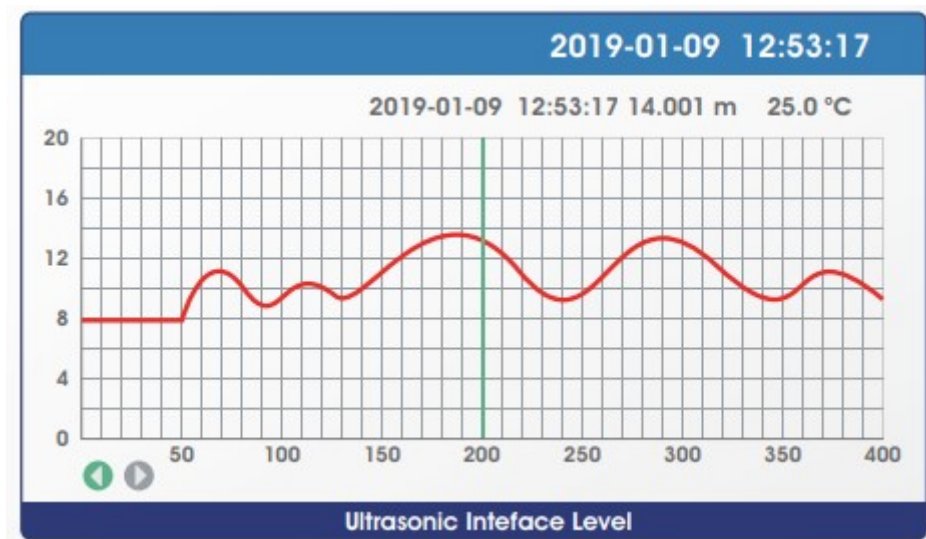
Data For Tester Terminal:



【 Dimension 】



【the display of the screen】



【the data storage of the controller】

Installation:

When install the sensor, please consider the protection for transducer. There must be a metallic wire conduit with suitable thread to connect with the sensor. Put the cable through the conduit at first, then connect the pipe with the sensor by thread, avoid the force to the cable, then avoid the bending for the cable. if rupture the cable, the transducer will be destroyed.