

## GE-102S Ultrasonic Sludge Interface Level Meter



GE-102S-A



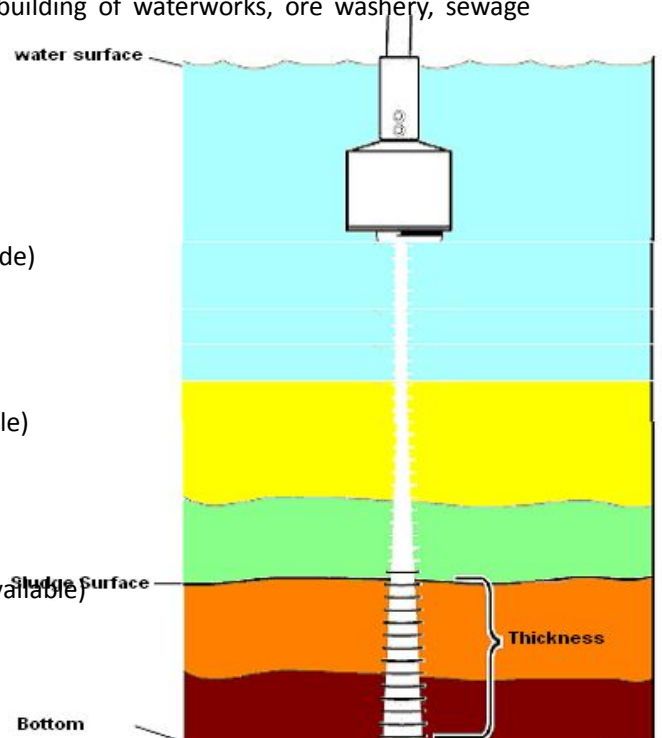
GE-102S-B

The GE-120S 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 wastewater 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 tranmit, 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.

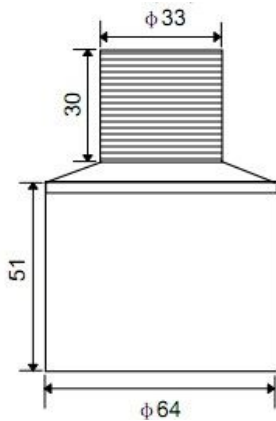
### Technology Specification:

- \* Level Range: 1m ~ 5m ~ 10m  
(5m is standard, more than 10m need custom-made)
- \* Accuracy: 0.8%
- \* Blind Spot: <500mm
- \* Draft Depth: 500mm
- \* Detection Method: 1HZ/s (0.1~100HZ/s is available)
- \* Wave Beam angle:  $10 \pm 2$  degree
- \* Work Frequence: 100KHz~300KHz  
(Different transducer will be different)
- \* Output: 4~20mA (Standard, 1~5V and RS485 is available)
- \* Power Supply: 110VAC ~ 240VAC 50HZ/60HZ  
(220V50HZ is standard)
- \* Protect Grade: IP65



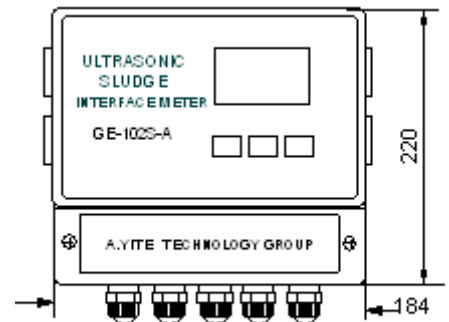
**Data for Transducer:**

- \* Work Medium: Sewage
- \* Work Temperature: 0~40C  
(higher temperature need custom-made)
- \* Cable Length: 10m (GE-102S-B is 1.0m)

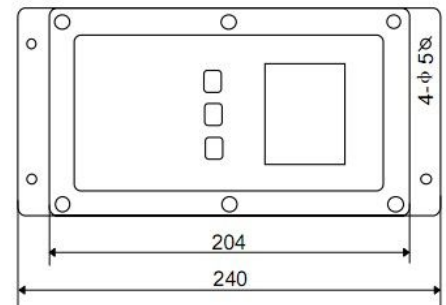


**Data For Tester Terminal:**

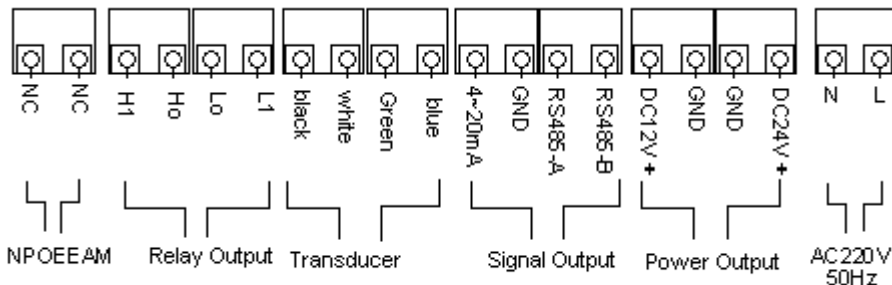
- \* Power Supply: 110VAC ~ 240VAC 50HZ/60HZ  
(220V50HZ is standard)
- \* Display: LCD Screen
- \* Resolution: d=1mm or 1cm(setting by user)
- \* Keyboard: three slight touch key
- \* Work Temperature: 0C ~ 50C
- \* Storage Temperature: -20C ~ 70C
- \* Work Humidity: <80% RH
- \* Storage Humidity: 70% RH



**GE-102S-A**



**GE-102S-B**



**Installation:**

When install the transducer, please consider the protection for transducer. Put the cable through the pipe at first, then connect the pipe with the transducer, avoid the force to the cable, then avoid the reuding for the cable. if rupture the cable, the transducer will be destroyed.