

## Sedimentation Tank Level



There is only one sedimentation tank in a small sewage treatment facility, and it is necessary to understand the surface level of the sedimentation tank. In larger sewage treatment plants, after the permeated water passes through the diverter box to reach many sedimentation tanks, there may not be enough space in the diverter box to accommodate the level gauge. In this case, the level monitoring of the sedimentation tank will help to obtain proper load balance.

### Challenges

Continuous monitoring of the level in the sedimentation tank will maximize the effective treatment flow in the primary and secondary sedimentation areas, in which most suspended solids will be removed.

### Products

- **TRG804X Radar Level Transmitter 6.3GHz**

TRG804X non-contact type radar level transmitter has a wider measurement range, and better diagnostic function. The use of advanced signal processing technology can filter out false targets or other noise signals. Pulse string radar level transmitter transmits short pulse string to the liquid surface. Through antenna, it can transmit extremely short pulses with very low energy. By using ultra-high speed timing circuit to measure the time required for the pulse signal to meet liquid surface and reflect echo.

### **Features**

1. 6.3 GHz operating frequencies provide superior performance in applications of turbulence, foam and heavy vapor.
2. Maximum process temperature can be up to 250°C.
3. Maximum measuring range can reach 30m.
4. Quick connection/disassembly of probe shaft sleeve allows the container to remain sealed.

### ● **TRG806X Radar Level Transmitter 26GHz**

TRG806X series radar level transmitter is the latest generation of two-wire system 26 GHz single pulse radar level transmitter. It has a longer measurement range, advanced self-diagnosis function. The use of advanced signal processing technology can filter out false targets or other noise signals. Through antenna, it can transmit extremely short pulses with very low energy. By using ultra-high speed timing circuit to measure the time required for the pulse signal to meet liquid surface and reflect echo.

### **Features**

1. 26GHz operating frequency provides excellent accuracy and resolution.
2. Antenna design 250°C.
3. Measurement range can be up to 70m.
4. Quick connection/disassembly of probe shaft sleeve allows the container to remain sealed.
5. After inputting the actual level, the software can automatically identify the false echo from the level to the antenna, and eliminate the interference of these waves.
6. Parameter setting is convenient, it can be set by the simple operation key on the level meter, also can be operated by the computer or the upper computer software.