

Level of Shunt Tank



Wastewater treatment facilities have a large number of primary sedimentation tanks, usually using a concrete tank, which has compartments and doors, called a split box or distribution box, which divides the incoming water flow into multiple streams and transports them to the sedimentation tank. Similar devices can also be used to separate the mixed liquid flow between the secondary settling tanks.

Challenges

In the splitter tank, the level control helps to maintain a balanced route into the wastewater during the primary precipitation process, so that 50-70% of the suspended solids are removed, and the remaining suspended solids are completely removed during the secondary precipitation process.

Products

- **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.

● TRG802X Guided Wave Radar Level Transmitter

The latest generation of TRG802X series guided wave radar level transmitter is a two-wire 24VDC powered level transmitter, which adopts advanced microprocessor and unique echo processing technology.

TRG802X series guided wave radar level transmitter can be applied to various complex working conditions and applications. Whether it is a light hydrocarbon or water-based solution, it is suitable.

Features

1. Multi-variable 2-wire system and 24VDC loop-powered level transmitter can be used to measure level, interface, volume or flow.
2. The level measurement results are not affected by the change of medium properties.
3. It is no need to calibrate by adjusting the actual level.
4. Select the probe with function of "anti-overflow", the true level to the process connection seal can be measured directly without special algorithm.
5. 4 buttons and graphical LCD display can easily observe the instrument configuration information and signal waveform diagram.
6. Use split structure, the electronic device can be replaced without opening the storage tank.

● 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. 6.3GHz 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.