

Sludge Level



There are several areas in the wastewater treatment facility where solid precipitates are subsequently removed as sludge. Including hoppers, containers, gravity thickeners and other sludge collection systems. Monitor the sludge level to control incomplete sludge discharge or sludge dilution.

Challenges

Non-contact measurement is usually preferred because the sensor is located above the process fluid to avoid direct contact with the sludge. The sensor of contact technology should choose the single rod type to minimize the hanging material (or bridging) that occurs in the double rod probe.

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. 6.3GHz 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.