

## Neutralization Reaction



In order to protect the surrounding water supply system, industrial wastewater must be neutralized before discharge. A neutralization reaction occurs when acid or alkaline reagents are added into a tank containing waste water. Sulfuric acid, sodium hydroxide and calcium carbonate are the most commonly used reagents.

### Challenges

Level measurements in neutralization reaction and chemical regeneration tanks usually involve stirring and corrosive chemicals. Ideally, the tank level monitoring system should be easily disassembled to accommodate frequent cleaning. Regarding contact sensor, single rod type is suggested to avoid the occurrence of the bypass of medium.

### Products

- **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.

#### ● **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.