**DDTOP UQZ Magnetic Level Gauge**

**Reliable Underground Tank/Trough Device**

**Level Measuring Instrument**

**RESULTS**

* Solve the problem of underground tank level/ interface measurement；
* Realize long-distance transmission of level signals.

**APPLICATION**

**Equipment**：Underground Tank

**Medium**：Sewage, Oil

**Medium Characteristics**：Low Pressure, Containing Impurities or Flammable and Explosive

**CUSTOMER**

PetroChina Daqing Refining & Petrochemical Company

**CHALLENGES**

The underground tank is pre-buried underground, and only the upper opening allows for level or interface measurement. Ordinary side-loading level gauges cannot be used at this time, and some underground tanks are deeper and have a large range. Because the blind areas are large, the top-loading magnetic level gauge cannot measure.

**SOLUTIONS**

The following is the solution for application of UQZ magnetic level gauge in underground tank device.

* Install a single flange on the top, seal;
* The float moves up and down with the level, and the measuring rod is equipped with a reed switch, which can realize the long-distance transmission of the level signal.
* The standard float can be used for medium of multiple densities and fixed in blind spots.
* The overall explosion-proof structure is adopted to meet the requirements of flammable and explosive protection.

**Dandong Top Electronics Instrument (Group) Co. Ltd.**

**Reliable Process Instrumentation and Automation Solution Provider**

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