

TOL-250R

Transformer Digital Oil Level Gauge



Description

The transformer oil level gauge is a device specifically designed for measuring the oil level in transformers. It typically consists of floating elements, transmission components, indicating elements, alarm components, sensors, etc., and is used for real-time monitoring of the oil level in the oil storage tank. As the oil level rises or falls, the oil level can be displayed on the instrument panel or monitoring system, helping operators monitor the oil level. When the oil level is too high or too low, an alarm signal will be sent, ensuring the normal operation of the transformer. As an important transformer monitoring device, the transformer oil level gauge plays a crucial role in the power system. At the same time, the product has advantages such as high-precision measurement, safety and reliability, easy installation, and maintenance.



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Features

- High protection level suitable for different installation needs indoors and outdoors.
- Both high oil level and low oil level have two pairs of alarm contacts.
- High precision angular displacement sensor, transmitting digital signals (compatible with 4-20mA analog signals) via RS485 to the background.
- Equipped with self-diagnostic functions, and indicated through local indicator lights.
- Self-tilting angle installation for easy observation.
- Integrated structural design, high strength, high reliability.

Options

- 24V power supply
- Additional rainproof cover shell
- C5 or above corrosion resistance grade

Application

- Main oil tank for oil-filled transformers
- Oil tank for on-load tap changers (OLTC)

Technical parameters

Housing diameter	250mm
Pointer rotation angle	120° /270° selectable
Float rod swing angle	45° (horizontally upward or downward)
Repeatability	±2.5% FS
Protection Class	IP67
Operating temperature	-40°C ~ +70°C , relative humidity ≤ 95%RH
Electrical interface size	M25×1.5 (customizable)
Installation method	radial or axial
Power supply	AC 220V
Electrical connection	M25×1.5 waterproof cable connector Cable size: recommended 1.5mm ² , Upper limit 2.5mm ²
Contact insulation performance	insulation resistance: >300 MΩ Power frequency withstand voltage: 2kV, 50/60 Hz 1min
Contact capacity	AC 220V /5A or DC220V 0.3A
Shock level	three directions 15g
Dial glass	anti-ultraviolet coating polycarbonate
Signal acquisition component	linear accuracy 0.1% angle potentiometer

Dimensions

