

# Ultrasonic Fuel Level Meter (TUA03):

## Features

1. Non-Contact Measurement: Utilizes ultrasonic echo ranging principle for high-precision non-contact measurement of liquid levels, avoiding tank drilling or structural damage.
2. Real-Time Monitoring: Transmits real-time fuel quantity data to a back-end supervision system via GPS, aiding in preventing fuel theft and optimizing operational costs.
3. Wide Applications: Suitable for various industries including automotive, chemical, water conservancy, and storage tanks for liquid level detection.
4. Easy Installation: Can be installed externally on the tank surface without requiring internal modifications.
5. High Stability and Certification: Features good stability and is certified with CE, ROHS, CNEX explosion-proof, and IP67 protection standards.

## Technical Features

1. Operating Voltage: 9~36VDC
2. Measurement Range: 3~100 cm (dependent on tank material and thickness)
3. Measurement Accuracy:  $\pm 0.5\%$  FS
4. Measurement Resolution: 0.1 mm
5. Operating Temperature Range: -30°C to +80°C