

# UFS300 / UFS301

The UFS300 and UFS301 are advanced ultrasonic fuel sensors equipped with high-precision ultrasonic probes for accurate fuel level detection. The UFS300 model features an RS232 interface, while the UFS301 is equipped with an RS485 interface, catering to varying communication requirements in terms of mode, speed, and distance.



## UFS301



9 – 36 VDC



0.36W/12VDC



IP67



RS485 Interface

VS

## UFS300



9 – 36 VDC



0.4W/12VDC



IP66



RS232 Interface

## UFS300

Items	Parameters
Operating Temperature	-30°C ~ +75°C
Storage Temperature	-40°C ~ +85°C
Working Humidity	5% ~ 90%
Measurement Range	5cm~100cm (For 0# Diesel Fuel in stainless steel / aluminum fuel tanks with thickness of less than 5mm) 5cm~100cm (For Water in stainless steel / aluminum vessels with thickness of less than 5mm)
Accuracy of Liquid Measurement	±0.5%
Resolution of Liquid Measurement	0.1mm
Certification	Exia II CT6 / Exd II CT5

### Output Interface

#### Parameter

Baud rate:19200; Check Bit: None; Data Bit: 8; Stop Bit: 1; Flow Control: None. Automatically output fuel level (unit: 0.1mm) every 10 seconds

#### Connection

TXD / RXD / Ground

## UFS301

Items	Parameters
Operating Temperature	-30°C ~ +80°C
Storage Temperature	-40°C ~ +85°C
Working Humidity	5% ~ 90%
Measurement Range	3cm~100cm (For 0# Diesel Fuel in stainless steel / aluminum fuel tanks with thickness of less than 5mm) 5cm~100cm (For Water in stainless steel / aluminum vessels with thickness of less than 5mm)
Accuracy of Liquid Measurement	±0.5%
Resolution of Liquid Measurement	0.1mm
Certification	CE / RoHS / CNEX ATEX

### Output Interface

#### Parameter

Baud rate: 115200; Check Bit: None; Data Bit: 8; Stop Bit: 1; Flow Control: None. Automatically output fuel level (unit: 0.1mm) every 10 seconds

#### Connection

RS485-A, RS485-B, Ground