

ULI600

ZERO DEAD BAND ULTRASONIC LEVEL SENSOR



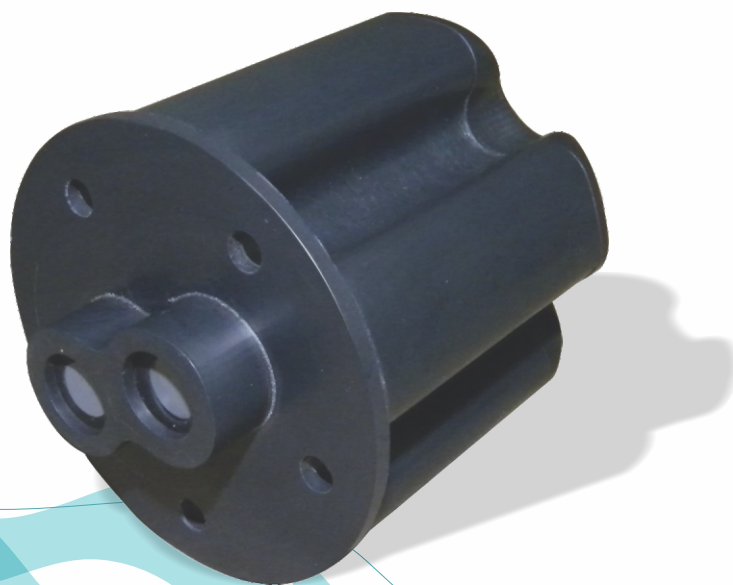
OVERVIEW

GSV introduces, for the first time ever in the world, Zero Dead Band technology for ultrasonic sensors. These ultrasonic sensor can be fitted right on top of the tank and are useful for small tanks where sensor cannot be raised above the tank level.

ULI600 is a product of advanced engineering at GSV. Its unique design makes it ideal for small diesel tanks and constricted spaces. ULI600 has internal temperature compensation and comes standard with a RS485 output. Data can be accessed using the MODBUS protocol.

FEATURES

- RS485 / MODBUS interface
- Zero dead band
- Measures Distance and Level
- High Accuracy (better than 3mm)
- IP65 enclosure
- 10° narrow beam angle
- Inbuilt automatic temperature compensation
- Non-volatile memory for saving parameters
- Operating temperature up to 70°Ct
- RS485/MODBUS



SPECIFICATIONS

Power Supply	12 V DC
Power Consumption	1 Watt maximum
Indication	LED
No. of Parameters	3
Parameters	Distance, Level, Temperature
Signal Type	RS485 with MODBUS Protocol
Surge Protection	Inbuilt as per IEC standards
Sensor Supply Regulation	Not to exceed Maximum ratings given above
Volume Indication	Linear, 32 point lookup table
Conversion Type	Linear for Distance and Level
Operating Temperature	0 - 50° C
Storage Temperature	0 - 60° C
Maximum Temperature	0 - 85° C
Humidity	0 - 80 Non Condensing
Accuracy	±1% of full scale
Programmable Variables	Saved in non-volatile EEPROM. No battery backup necessary. Data retention 100 years maximum
Programming Method	Through RS485 MODBUS Protocol
Housing	IP65 (ABS Plastic)

APPLICATIONS

Diesel Tank Level Measurement

