

Diesel & Water Level Sensor



OVERVIEW

The Capacitance Level Sensor is made of stainless steel 304 (optional for 316). It is robust and suitable for use in vibration areas, such as vehicle, generator, railway train etc. Suitable for Diesel and Water level measurement.

SPECIFICATION

Measurement Range	100~ 1000mm (customised for 100-3000mm)
Blind Area	<2cm (depends on the space between sensor bottom and tank bottom)
Resolution	1mm or 0.1%FS
Power Supply	10-32V DC
Current	<15mA
Output Signal	0-5V, 4-20mA
Pressure	-0.1MPa~0.1MPa
Operating Temperature	-40 ~ 85°C
Electrode Temperature	-50 ~ 150°C
Shell Material	Sus 304 (316 optional)
Media	Diesel, Water
Explosion-proof EXia II	CT5 (optional for CT6)
Mounting Adaptor	M20*1.5 or 2" NPT

MECHANICAL DRAWING

INTERFACE DEFINITION

0-5V

Red Line : 24V+

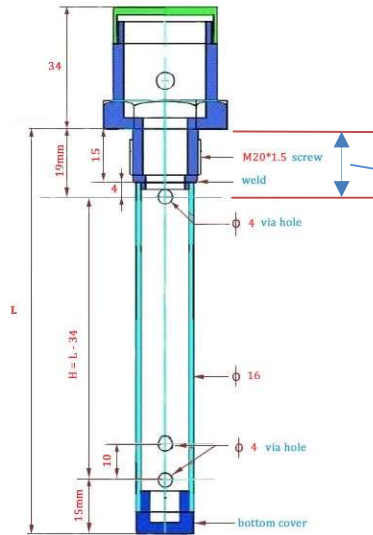
Black Line : GND

Green Line : 0-5V voltage

4-20mA

Red Line : 24V+

Black Line : 4-20mA



INSTALLATION NOTE

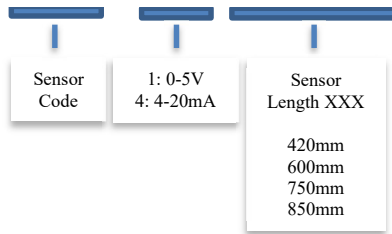
20mm from bottom of nut is when the level will read 100%.

This point must be below the tank top (inside the tank) for plug and play operation.

If this cannot be achieved and the level is reading less than 100% when the tank is full. The EEPROM can be sent to CAED for calibration within the PLC. We will need to know what % is displayed when the tank is full to calibrate.

ORDERING INFORMATION

DF-4-XXX



TO DETERMINE LENGTH OF SENSOR REQUIRED

Measure Depth of tank from the top of the process fitting to the bottom of the tank and then subtract 10mm.

