

Serial n° :
Nominal range :
Cable lenght : 10 meters +



GENERAL FEATURES

Gas oil level measurement, control and process for motor and domestic gas oil tank.

TECHNICAL PRINCIPLE

The level measurement is performed through the differential pressure measurement between liquid surface and the submersible sensor. The pressure is converted into electric signal by piezo-electric gauge to provide a 4/20mA output signal on 2 wires

MECHANICAL SPECIFICATIONS

Housing : Stainless steel 316L and polyamid guide
Cable : 2 wires + internal tube in shielded Polyurethan cable
Sensor : piezo-resistive gauge with stainless steel 316L diaphragm (Warning : never touch the membrane)
Diameter : 22 mm
Height : 180 mm (without cable)
Weight : 170 g (without cable) *Supplied normally with 5 meters of shielded cable (475 g) or more upon request*
Fitting : by the suspension cable supplied with a hanging system KITCAB

ELECTRICAL SPECIFICATIONS

Output signal : 4/20mA output signal on 2 loop wires, 4mA for 0m and 20mA for the full-scale
Power supply : Voltage supply between 6 to 38 volts DC input. *(Don't forget to integrate the voltage drop-out in the current loop)*
Check the voltage specification of the protector unit
EMC Conformity : EN 50 081-2, EN 50 082-2
Consumption : the signal value (mA)

TECHNICAL DATA

Gas oil column range : Full-scale (F.S.) between 0,5m to 5,0m for density 0,84 .
(Full-scale 20mA adjusted to the required value by Hitec)
Equivalent pressure : 0,04 to 0,4 bar. $P(\text{bars}) = H(\text{meters}) / 12.14$
Hysteresis : 0,10 % F.S. *(constant temperature)*.
Non-linearity : 0,10 % F.S. *(constant temperature)*.
Accuracy : 0,20 % F.S. *(from 0°C to 50°Celsius)*.
Temperature operating range : from -10°C to 95° Celsius