

# Techtrol Conductivity Contamination Sensor - CCS

It is basically a solid state level sensor, designed to detect the presence or absence of an electrically conductive liquid in diesel / fuel oil or any hydrocarbon

## Construction :

The sensor consists of brass probe, housing integral electronics that generates an alternating voltage to its brass tip. On detecting the presence of water or any other electrically conductive liquid, the circuit is completed, to initiate a change in the condition of transistor output. The probe is provided with screwed mtg for side installation and the other end is attached to a PVC cable, through which it can be submerged in a tank to detect contamination. The brass tip is insulated with PTFE to prevent its electrical bridging with the probe. The signal output can be in the form of PNP or NPN to initiate a relay / indication light, as well as to interface with PLC or SCADA system.



## Specifications :

Probe	: Brass
Mounting	: M16 (M) x1.5 pitch
Probe Tip	: Brass x Ø3
Tip Insulation	: PTFE
Protection	: IP-68 (submersible)
Resistance	: 40K ohms (max)
Signal Voltage	: 6VAC, 20mA
Extended Cable	: 3 Core, PVC x 1mtr long 0.75 mm <sup>2</sup>
Supply	: 12 VDC
Output	: PNP or NPN
Temp. Range	: -10 to +80°C
Max Test Pressure	: 3Kg/cm <sup>2</sup>

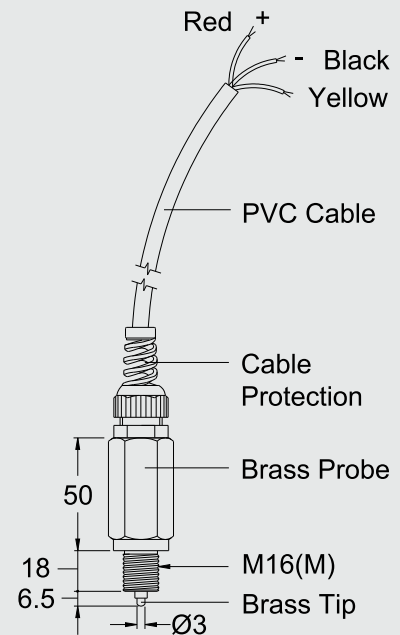
## Applications :

Fuel contamination, Leak detection, Coolant level monitoring in radiators, Water level monitoring in oil separators

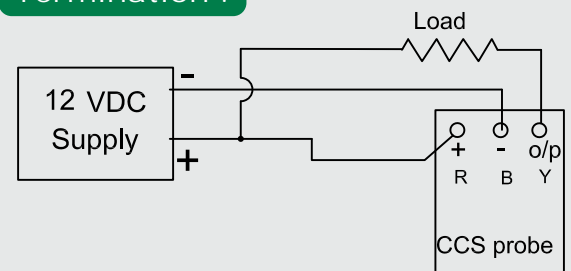
## Model Identification :



Fig. 1



## Termination :



All dimensions in mm except specified