



Application

The COLM (COntec Level Measurement) T/LL171 is a line of state-of-the-art sensors designed to continuously measure fuel level in tanks and provide a 4-20 mA output. This sensor is not a loop powered device. Designed for use in difficult and harsh environments, the sensor requires a very small footprint thanks to its complex electronics housed in a hexagonal connector.

Liquid Types

Liquids compatible with the construction materials; typically diesel, kerosene, petrol, water.

Dimensions

Probe length: Min. 90 mm, Max. 500 mm
Threads: 1/2" BSPT, 1/2" BSPP, 1/4" NPTF, 1/2" NPTF, 3/8" NPTF, M14 x 1.5, M18 x 1.5

Electrical

Supply Voltage: 9-30 VDC
Supply Current: 50 mA (including output load)
Supply Protection: Reverse polarity.
Signal Output: Current Source 4-20 mA, 250 Ω max output load.
Output Protection: Supply misconnection. Ground misconnection.
Connections: 4 Way Delphi Packard Metri-Pack 150 Series
Mating Connector: Fozmula C/K1 (Delphi Packard Metri-Pack 150). To fit 0.8-1.0 mm² conductor, Ø1.6-2.15 mm sleeve.

Performance

Accuracy: ±2% of depth @ -20°C to 80°C

Materials

Enclosure: 30% glass filled nylon
Internal Electrode: PTFE
Sensor Tube: Brass
Internal Spacers: Polypropylene
End plug: PTFE



Environmental Ratings

Sealing: IP67 with mating connector
Max Pressure: 1 bar
Operating Temp: -20°C to +85°C
Weight: 150 g (500 mm long sensor)

