EM540 Radar

Honeywell





8-inch Smart Tank Level Measurement

The EM540 Radar is an 8-inch smart radar level solution specifically designed for tanker level measurements involving chemicals, bitumen, etc. It may also be used for other simple tanker and inland river applications.

The EM540 Radar employs advanced smart sensor technology, including microprocessors performing signal processing. In addition

to transmitting tank level, pressure and temperature data to the central monitoring system, this radar solution provides self-diagnostics, self-monitoring and remote configuration. It can be installed either on a still pipe or free space (depending on the radar type).

The use of intrinsically safe, two-way digital signal transmission between the radar gauge and the central monitoring system enables easy integration of the EM540 into any type of control system. The unit is compliant with certification rules and regulations issued by international classification societies.

EM540 Radar - Technical Specifications

Technical Data

Accuracy: - Instrument: +/- 3 mm

- Operating : +/-5 mm

Resolution: 1mm

Range: 0.6 to 42 m

Maximum pressure: 1 bar

Operating temperature: - 40°C to + 70°C

Product temperature*: - 40°C to +250°C

Storage temperature: - 40°C to +85°C

Antenna aperture angle: 13°(FMCW 10GHz)

Protocol: EMS

Protection class: IP66/67

Intrinsic safety approval: IECEx, ATEX.

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Special Mounting Features

Automatic radar self-test during power up

Material: Housing stainless steel 316 L

Antenna FEP protection.

3 PT100 temperature inputs

3 Analog inputs

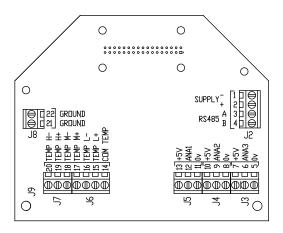
Automatic antenna fouling detection

Technical Documentation

Installation manual: MI5016

Technical manual: MT5016

Electrical Connection



Honeywell Marine SAS

9, rue Isaac Newton

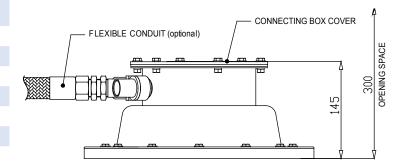
ZA Port Sec Nord, Esprit 1 18000 Bourges – France

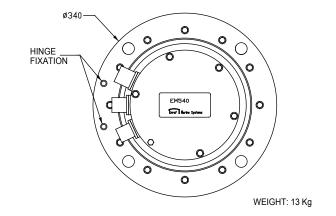
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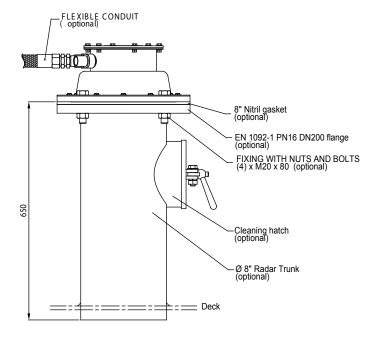
www.honeywellmarine.com

Mechanical Fittings & Dimensions





Mechanical Connection





^{*} with special mounting features