

Rosemount TankRadar Rex fits directly into your existing Whessoe® system

BENEFITS

- Direct Whessoe Bus compatible
- Emulates Whessoe 1315 and 1143 transmitters & ITG 50
- Digital 20 mA current loop communication or RS485
- Proven performance worldwide
- Future proof - Easy upgrade to other fieldbuses
- Highest reliability - maintenance free



Emulation with Rosemount TankRadar Rex

Emulation means open interface. The open interface design concept covers everything from electrical interface and communication protocol to utilization of existing power sources. This connectivity will make it easy to incorporate reliable, state of the art precision radar gauges in field bus systems from other vendors.

Rosemount TankRadar Rex is an inventory and custody transfer radar level gauge for storage tanks. It is designed to fit into existing tank gauging systems. TankRadar Rex gauges provide outstanding reliability and SIL 2 safety functions using non-contact radar measurement with no moving parts. Only the antenna is inside the tank atmosphere. These features makes the TankRadar Rex a flexible, user-friendly and cost saving plug-n-gauge device.

Whessoe® digital current loop or RS485

TankRadar Rex has the ability to connect directly to the Whessoe digital current loop or Whessoe RS485. This means that it is possible to replace the Whessoe transmitter with a Rex gauge with great ease.

TankRadar Rex will communicate using the Whessoe protocol, just like any Whessoe transmitter on the bus. TankRadar Rex communicates using the existing wires.

TankRadar Rex will provide status, level and temperature values to the Whessoe system. The tank data from Rex is presented on the existing inventory control system.

Installation

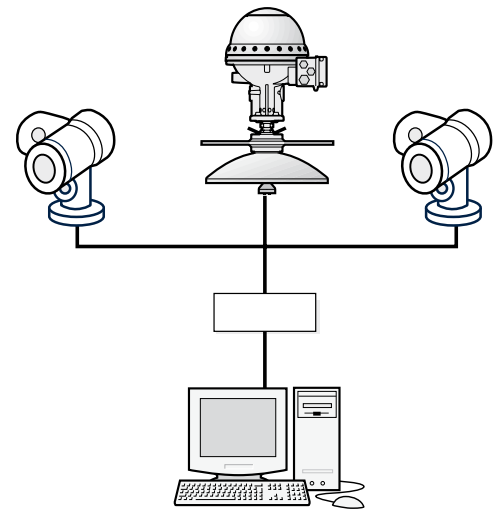
TankRadar Rex is easily installed and no special tools are required. All parts can be carried onto the tank roof. Installation can be done with the tank in service. No hot work is required. The electrical installation is done using the existing Whessoe tank wiring.

Temperature sensors are connected directly to the Rex head or to a Data Acquisition Unit.

Existing RTD temperature sensors can be used. TankRadar Rex has built-in lightning protection and power surge suppression. TankRadar Rex fits most manways or still pipes.

Configuration

TankRadar Rex is configured with the TankMaster WinSetup program. Configuration is done with an FBM, using existing or additional wiring.



The Rex gauge emulates the existing mechanical gauges using the same data communication as they do.

Specification	
Protocol	Whessmatic 550 and 660
Communication	20 mA digital current loop or RS485
Data rate	150-2400 baud
Communication master	Whessmatic 550, 660 or equal
Configuration	Win Setup
Configuration modem	Field Bus Modem (FBM)
Rex power supply	100-240 VAC, 34-70 VAC, 48-100 VDC
Transmitter compability	Whessoe 1315 and 1143 transmitters & ITG 50
Temperature input	Compatible with standard RTD. Direct Rex input or Data Aquisition Unit (DAU)
Accuracy Approval	Tankradar Rex meets or exceeds industry standards for custody transfer

Technical details are subject to change without prior notice. For more technical details, see the Rex Technical Description.

*Whessoe and Whessmatic 550 are trademarks of Whessoe and Endress & Hauser (International) Holding AG.