Radar Master App

- Ensure measurement and configuration accuracy of Rosemount radar level transmitters

- Improve efficiency and safety with a tool designed for field use

- Easily verify configuration with dynamic graphics

Configure radar devices with a tool built for field use — making the task safer and more efficient.

Introduction

The Radar Master app allows you to bring the enhanced echo curve functionality of Radar Master software to your field communicator. Designed for use on the rugged, intrinsically-safe AMS Trex, the Radar Master app improves efficiency for field technicians, protects the safety of your personnel and assets, and enables accurate configurations at the tank.

The Auto Sync technology in AMS Trex helps maintain data integrity in your AMS Device Manager database without any technician intervention. Every change made in the field is automatically recorded and time-stamped.

Changes are updated in real-time if WiFi connection is enabled and a technician is in a hot spot. Or changes are cached on AMS Trex and applied to the database when the communicator detects a WiFi signal or USB cable connection.

Easier Configuration

Using the Radar Master app, you can create the geometric profile directly at the tank. Dynamic graphics help ensure that you are configuring the tank with the correct settings.

Using the power the loop functionality in AMS Trex, you can power your radar device in the field (depending on model option power requirements[1]) – even before wires are run. This enables you to complete installation and configuration early, even when the tank is empty.

[1] - excludes Rosemount 5400 and 5300 explosion-proof and flameproof devices.

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More easily tune radar measurements with enhanced echo curves.

View geometric profiles of your tank to ensure configuration accuracy.

Ensure Reliable Measurement

With enhanced echo curves in the Radar Master app, you can more easily tune your measurement settings. Tune out disturbances in the tank to prevent false echoes and ensure reliable measurements.

Enhanced echo curves provide insight into unexpected and intermittent measurement behaviors, enabling better understanding of process challenges.

Improve Troubleshooting

Easily view enhanced echo curves and properly adjust thresholds to ensure a reliable and robust level measurement.

For the Rosemount 5408 HART device, access trended tank level and alert information from historian functionality. If needed, export and playback echo curves on the PC version of the Radar Master Diagnostic Tool for a more in-depth analysis.

Improve Safety with a Tool Built for the Field

The AMS Trex Device Communicator delivers a modern user experience in a rugged, intrinsically safe package, providing the experience of consumer devices in a tool built to withstand harsh industrial environments.

This rugged device is easy to hold, yet designed to take the bumps and drops that come from normal use in the plant. The Trex unit is protected against moisture and extreme temperatures, so you can work regardless of environmental conditions. The outer shell meets Intrinsic Safety standards, limiting the buildup of static electrical energy.

The compact design, carrying case, and magnetic hanger make it the ideal tool for working in the small space and often hazardous environment of a tank. One-handed operation, NFC-enabled user security, and intrinsic safety ratings enable technicians to work safely and effectively in these difficult areas.

Compatibility Chart

Supported Device Types	Enhanced Dashboard		Enhanced Echo Tuning	
	HART	**FF**	**HART**	**FF**
Rosemount 5408	✓		✓	
Rosemount 5300	✓	✓ *	✓	
Rosemount 3308	✓	N/A	✓	
Rosemount 5400	✓	✓		
Rosemount 3300	✓	N/A		
Rosemount 5600	✓			

* Dev Rev 3 & 4

N/A – Device doesn't exist

Ordering Information

Description	Part Number
Radar Master App	TREX-APRM-PE01

Notes: 1) You must include the corresponding AMS Trex unit serial number(s) at time of order.

2) Once purchased, you can download the app from Upgrade Studio.

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