SMART WIRELESS THUM™ ADAPTER

ROSEMOUNT ANALYTICAL Xmt TRANSMITTER ADVANCED DIAGNOSTICS

WirelessHART

Unleash the full benefits and features of the Model Xmt Advanced Diagnostics

Historically analyzer diagnostics have focused on detecting internal device problems such as open wiring, faulty temperature element or analyzer electronics failure.

The Smart Wireless THUM adapter is an easy way to unleash otherwise "stranded" advanced diagnostics, such as pH slope, reference offset, glass impedance, and reference impedance to enable you to diagnose probe condition.

POWERS PlantWeb

The Rosemount Analytical Xmt with the Smart Wireless THUM adapter powers the PlantWeb digital plant architecture by delivering more advanced field intelligence for better decision-making to help you achieve unparalleled efficiency and productivity.

Access to more comprehensive data enables you to:

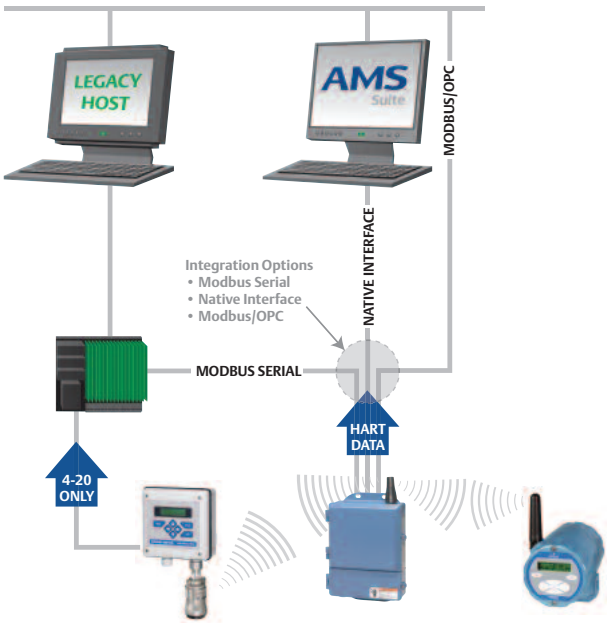
- Enhance quality and improve productivity
- Enhance availability with proactive monitoring
- Detect abnormal conditions before they cause a major problem

EASY TO USE. EASY TO INTEGRATE.

The Smart Wireless THUM adapter allows you to wirelessly gain the full benefits the Model Xmt has to offer without the need for any additional software. All you need in addition to the THUM is a Smart Wireless Gateway and a new or existing Model Xmt Transmitter.

All of Emerson's Smart Wireless field network devices can be integrated directly into your existing automation architecture without the need for upfront engineering, site surveys or additional software. Wired or wireless, the network looks the same to your operators.

For additional ease of use, the AMS Suite provides more convenient access to information that you don't have today. Emerson's Smart Wireless technologies put valuable information within reach – easily and cost effectively – to give you better insights into your operation.



Can the THUM be used for control with a Model Xmt-A transmitter?

If the THUM update rate is programmed to an accelerated rate, the Model Xmt HART oxygen transmitter will support control in special applications.

Does the THUM/Model Xmt combination have the same HART capabilities as a WirelessHART Model 6081 pH transmitter?

Yes. All HART reporting and diagnostic features are available.

Can a Model Xmt device be added to a WirelessHART network using the THUM?

Yes. Simply install a THUM adapter to an existing Model Xmt HART device and the Xmt unit can now join any existing Emerson Wireless HART network.

ROSEMOUNT® Analytical

EMERSON™ Process Management

BETTER INFORMATION FOR IMPROVED PERFORMANCE

The Smart Wireless THUM adapter can transmit up to four variables and additional HART status information at the user's configurable update rate. Access to this new information enables you to more fully optimize your operations for improved performance.

TECHNICAL REQUIREMENTS

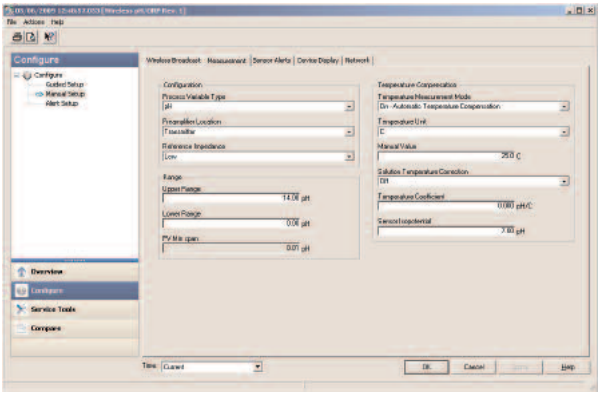
Voltage drop across THUM:	2.25 Volts at 3.5 mA; 1 volt at 25 mA
Loop resistance required:	250 Ohms
Power requirements:	14.5 Volts
THUM update rate:	16 seconds to 60 minutes

MODEL Xmt TWO-WIRE TRANSMITTERS

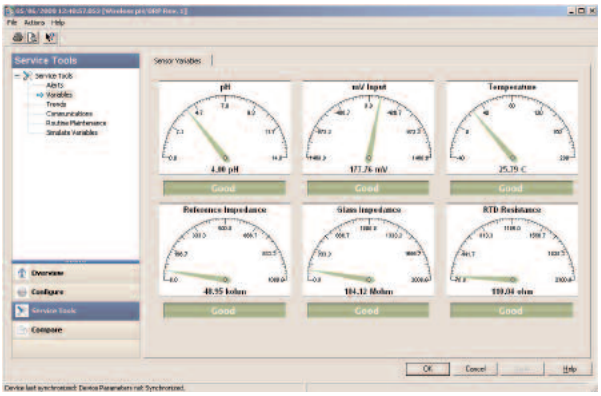
- Xmt-P pH / ORP
- Xmt-C Contacting Conductivity
- Xmt-T Toroidal Conductivity
- Xmt-A Amperometric: Dissolved Oxygen, Chlorine and Ozone

KEY FEATURES OF THE MODEL Xmt TWO-WIRE TRANSMITTER

- Local access to user menus and diagnostics
- Intrinsically safe design approved by FM, CSA and ATEX
- Clear, easy-to-read two-line display
- Choice of panel or pipe / surface mounting
- Six local languages – English, French, German, Italian, Spanish and Portuguese



Transmitter configuration set-up



Process diagnostics and sensor health are visible at a glance

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