

SMART WIRELESS THUM™ ADAPTER

ROSEMOUNT ANALYTICAL MODEL 1066 LIQUID ANALYTICAL TRANSMITTER

WirelessHART

Unleash the full benefits and features of the 1066 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.



The Rosemount Analytical 1066 HART® transmitter 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

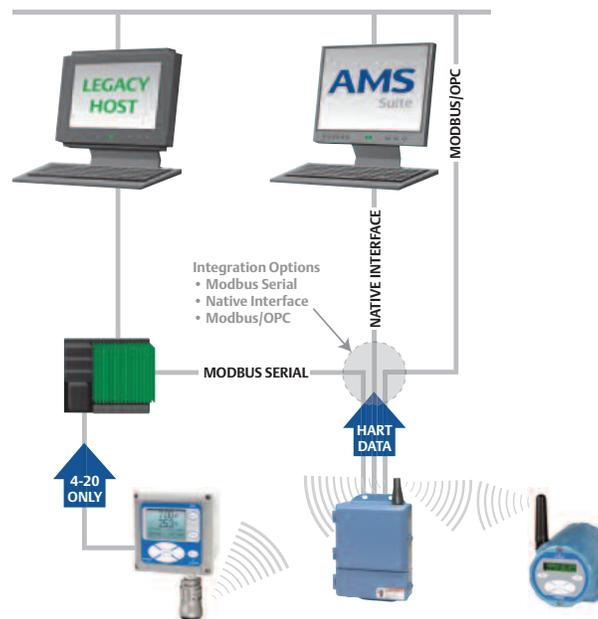


EASY TO USE. EASY TO INTEGRATE.

The Smart Wireless THUM Adapter allows you to wirelessly gain the full benefits the Model 1066 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 1066 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.



Does the THUM/Model 1066 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 1066 device be added to a WirelessHART network using the THUM?

Yes. Simply install a THUM adapter to an existing Model 1066 HART device and the 1066 unit can now join any existing Emerson Wireless HART network.

BETTER INFORMATION FOR IMPROVED PERFORMANCE

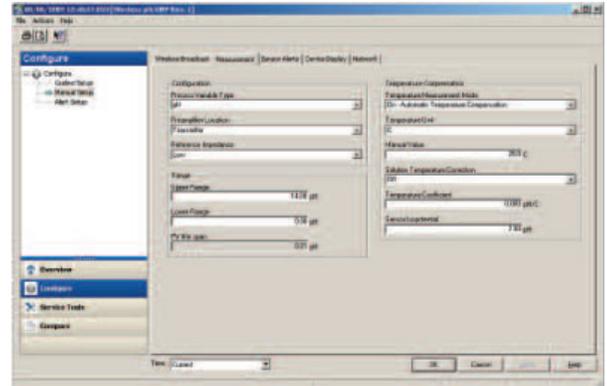
The Smart Wireless THUM Adapter can transmit up to eight variables and additional HART status information at the user's configurable update rate. Access to this new information enables you to more fully optimize your operations for improved performance.

TECHNICAL REQUIREMENTS

Voltage drop across THUM: 2.25 Volts at 3.5 mA; 1 volt at 25 mA
 Loop resistance required: 250 Ohms (proved in-circuit with 1066)
 Power requirements: 14.5 Volts
 THUM update rate: 8 seconds to 60 minutes

KEY FEATURES OF THE MODEL 1066 TWO-WIRE TRANSMITTER

- Local access to user menus and diagnostics
- Intrinsically safe design approved by CSA, ATEX and IECEx
- Large, easy-to-read display
- Choice of panel or pipe / surface mounting
- Eight local languages – English, French, German, Italian, Spanish, Portuguese, Russian and Chinese
- Digital communications – HART V7 and FOUNDATION fieldbus communication protocols available for host monitoring and configuration
- SMART enabled – automatic calibration pH SMART pH sensors
- HART 5 and HART 7 protocols selectable



Transmitter configuration set-up



Process diagnostics and sensor health are visible at a glance

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