SMART WIRELESS THUM™ ADAPTER

ROSEMOUNT ANALYTICAL 1056 ANALYZER ADVANCED DIAGNOSTICS

WirelessHART

Unleash the full benefits and features of the Model 1056 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 1056 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:

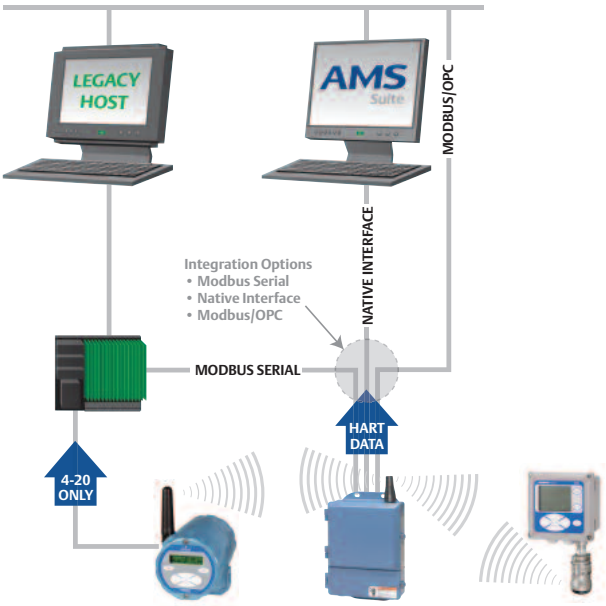
- Enhance quality and improve productivity
- Enhance availability with proactive monitoring
- Detect abnormal conditions before they cause a major problem

EASY TO USE. EASY TO INTEGRATE.

The Smart Wireless THUM Adapter allows you to wirelessly gain the full benefits the Model 1056 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 1056 Analyzer.

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 what's happening in your operation.



Can more than one process variable be reported to the HART host using the THUM Adaptor?

Up to four HART process variables can be reported. Even multi-parameter inputs like conductivity and ORP and process temperature can be transmitted concurrently over WirelessHART.

What advanced diagnostics can be sent with the THUM attached to a Model 1056?

Diagnostics such as glass impedance, process temperature, raw mV or mA inputs, and faults and warnings can be transmitted to the host monitoring application. Live diagnostics are available for every measurement configuration of Model 1056 HART.

Does the THUM/Model 1056 combination have the same HART capabilities as a WirelessHART Model 6081 pH transmitter?

Yes. All HART reporting, diagnostic and control features are available.

ROSEMOUNT® Analytical

EMERSON™ Process Management

BETTER INFORMATION FOR IMPROVED PERFORMANCE

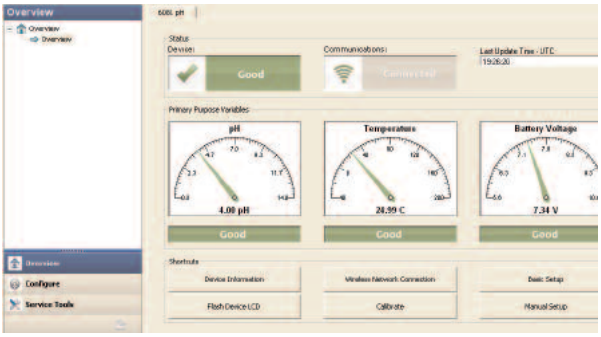
The Smart Wireless THUM Adapter can transmit up to four variables and additional HART status information at the user's configurable update rate. Access to this new information enables you too more fully optimize your operations for improved performance.

TECHNICAL REQUIREMENTS

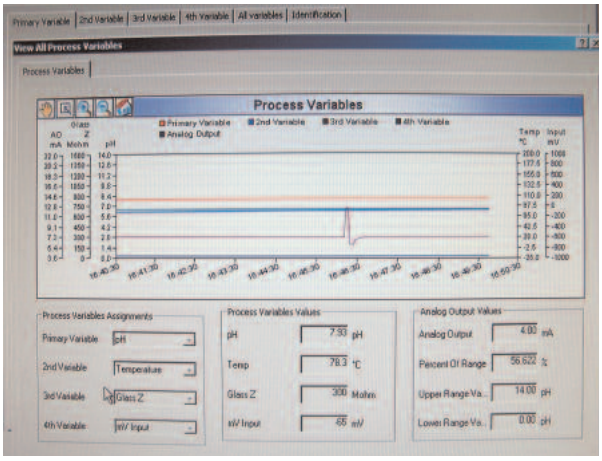
Voltage drop across THUM:	2.25 Volts at 3.5 mA; 1 volt at 25 mA
Loop resistance required:	250 Ohms
Power requirements:	14.5 Volts
THUM update rate:	16 seconds to 60 minutes

MODEL 1056 DUAL-INPUT ANALYTICAL INSTRUMENT FEATURES

- Multi-parameter instrument for any two measurements: pH /ORP, resistivity/conductivity, chlorine, oxygen, ozone, turbidity, flow and current input
- Intuitive menu screens with advanced diagnostics and help screens
- Eight languages – English, French, German, Italian, Spanish, Portuguese, Russian and Chinese
- HART® digital communication option required
- Quick start programming



Advanced diagnostics support live troubleshooting



Monitor loop health with trended process variable data

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