

Unleash the full benefits and features of the Model 54e 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 54e 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

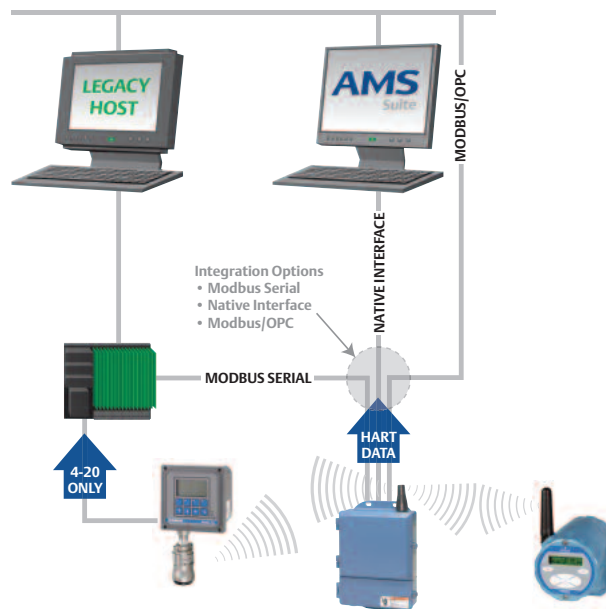


EASY TO USE. EASY TO INTEGRATE.

The Smart Wireless THUM adapter allows you to wirelessly gain the full benefits the Model 54e 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 54e 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 your operation.



Does the THUM device attached to a Model 54e pH/ORP analyzer have the same HART capabilities as a WirelessHART Model 6081 pH transmitter?

Yes. All HART reporting, diagnostic and control features are available with the THUM attached to a Model 54e HART controller.

Can the Model 54e HART Controller enable an alarm over WirelessHART when a process setpoint is reached?

Yes. With the THUM installed, a process or time-programmable alarm can be reported to the DSC host or control room.

With an installed THUM, is it possible to record trend data to evaluate a process problem?

Yes. The THUM transmits process data continuously at preprogrammed update rates to allow run-time data capture.

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

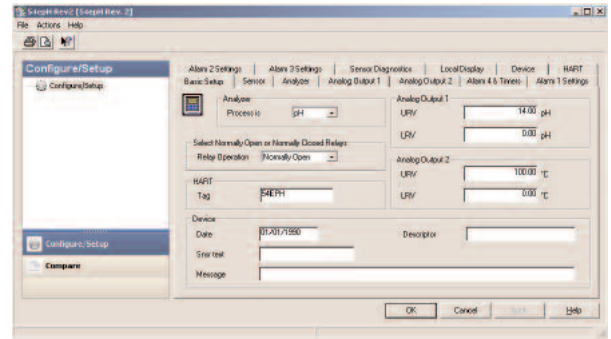
Voltage drop across THUM: 2.25 Volts at 3.5 mA; 1 volt at 25 mA
 Loop resistance required: 250 Ohms
 Power requirements: 14.5 Volts
 THUM update rate: 16 seconds to 60 minutes

MODEL 54e FOUR-WIRE ANALYTICAL CONTROLLERS

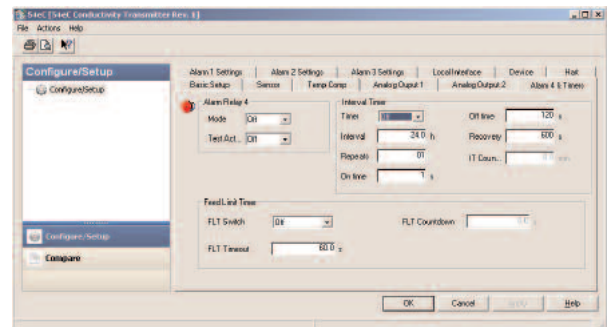
- 54e pH / ORP
- 54e Conductivity / Resistivity
- 54e Amperometric: Dissolved Oxygen, Chlorine, Ozone

KEY FEATURES OF THE MODEL 54E ANALYZER

- Local access to user menus and diagnostics
- NEMA 4X (IP65) weatherproof corrosion-resistant enclosure
- Back-lit display with easy-to-use interface
- Three alarms with programmable logic, plus one dedicated fault alarm
- Optional TPC and PID control capacity
- HART® digital communication option required



Configuration and set-up with AMS



Advanced alarm diagnostics support live troubleshooting

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