

RIA15

Process indicator

Compact, loop-powered process display for 4 to 20 mA or HART® signals

The capable and highly flexible RIA15 process indicator for analog and HART® values brings crucial transparency to applications in the life sciences and food & beverage industries.

Available globally for panel or field mounting, the device offers an excellent price/performance ratio. Its very low voltage drop, even with optional display backlight, makes it safe for use in Ex-areas.



Your benefit

Value	Benefit	Feature
Time and cost saving	<ul style="list-style-type: none">▪ Quick and easy installation▪ Flexible system integration	<ul style="list-style-type: none">▪ Compact housing designed for panel or field mounting▪ Minimal installation depth▪ Certified for installation in Ex-areas (field housing)▪ Very low voltage drop; Low voltage drop with backlight▪ Loop powered
Added safety and process transparency	Local indication of measurement parameters: 4 to 20 mA signals or up to four HART® values (PV, SV, TV, QV)	<ul style="list-style-type: none">▪ Good readability in poor lighting conditions▪ Bargraph for quick process overview▪ Large character size▪ Easily activated backlight (optional)▪ Control functions (limit-value monitoring, mathematics, differential pressure and linearization, ...)
Ease of use	<ul style="list-style-type: none">▪ Excellent usability▪ Safe and convenient handling	<ul style="list-style-type: none">▪ 3-key operation and configuration▪ Remote commissioning and operation

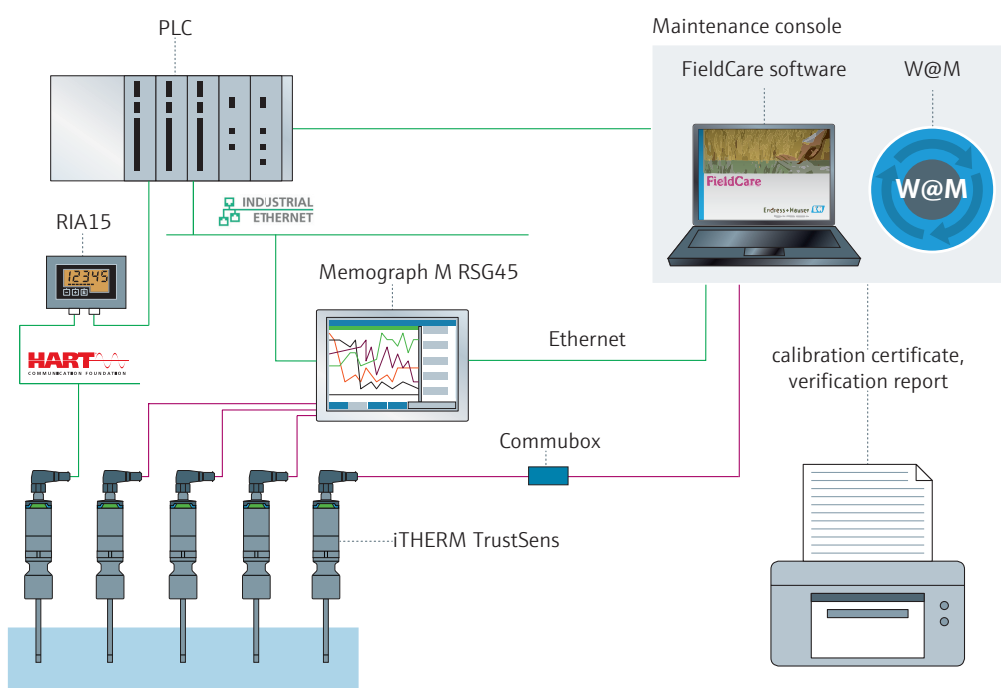
Application bundles for HART® devices

- **iTHERM TrustSens TM371:** Indicator for temperature, electronics temperature, calibration counter and offset
- **Waterpilot FMX21** and **Micropilot FMR20:** Process display and configuration via HART®
- **Liquiline Compact CM82** transmitter for Memosens sensors: Process display and configuration via HART®

RIA15 specifications

- Display of 4 to 20 mA measured values or HART® process variables; Scalable display values
- Use as primary or secondary HART® master
- Loop powered; Voltage drop ≤ 1 V (HART® ≤ 1.9 V)
- Panel-mount housing or field housing as local process display
- Remote commissioning and operation
- Ambient temperature range: -40 to 60 °C (-40 to 140 °F)
- Protection class: IP67, NEMA4x (aluminium housing)
- International certifications and approvals: ATEX, FM, CSA, IECEx, GL, SIL interference freeness

Integrated product and service offering



System component	Feature
Data management Memograph M RSG45	<ul style="list-style-type: none"> ▪ Tamper-proof data storage and access (FDA 21 CFR 11) in combination with FDM Software MS20, Field Data Manager software by Endress+Hauser ▪ HART® gateway functionality; Up to 40 HART® devices connected at a time ▪ Communication capabilities: Modbus, PROFIBUS DP, PROFINET, EtherNet/IP
Field Data Manager Software MS20	<ul style="list-style-type: none"> ▪ Archiving and visualization of historical measured values, diagnostic events and protocols ▪ Automatic service for report generation and printing, data read out, storing and export ▪ Online visualization of instantaneous values (live data)
Endress+Hauser Service	<ul style="list-style-type: none"> ▪ Commissioning service ensures optimal startup and reliable base for future self-checks ▪ Technical experts are always on call to support with product queries