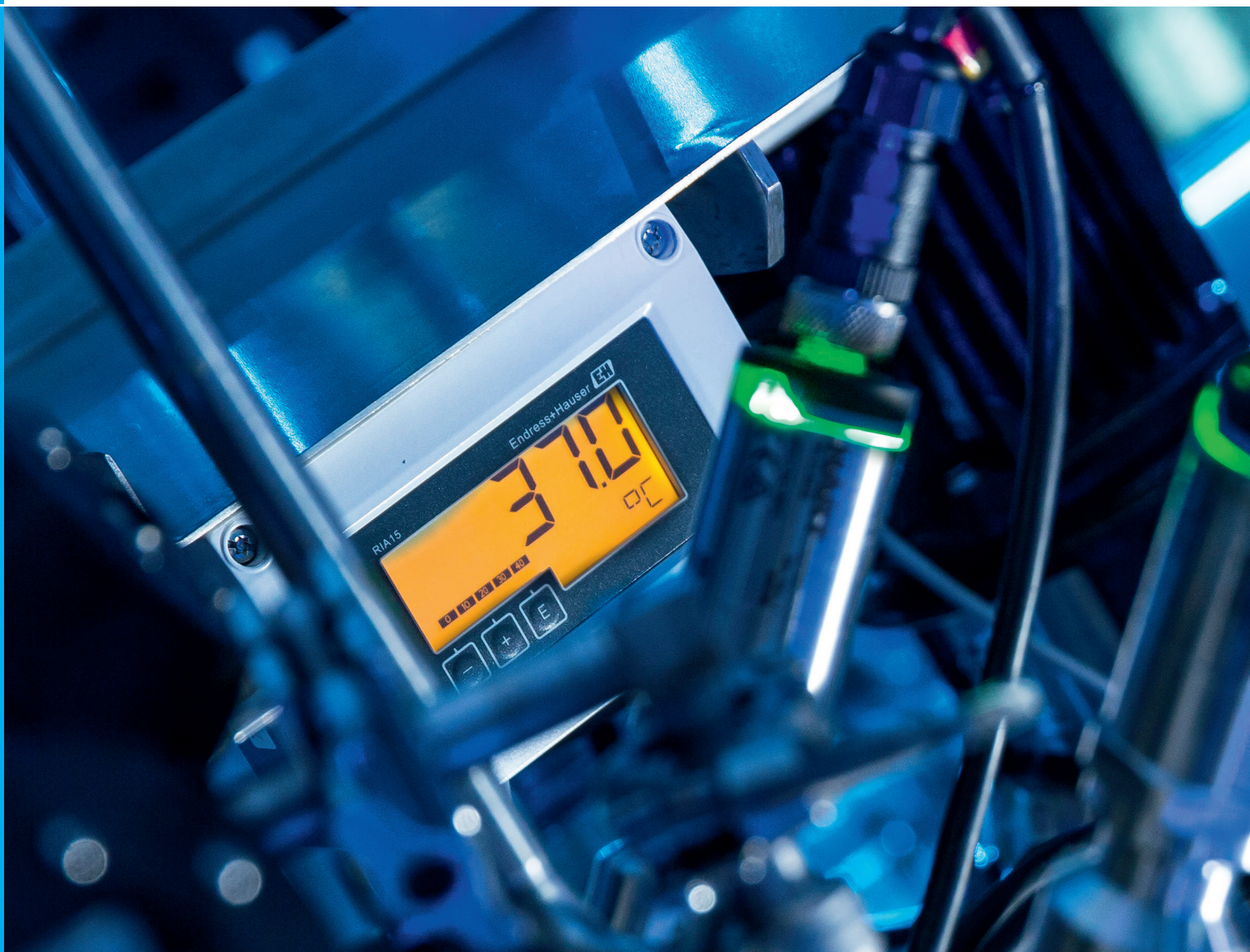


System products and data managers

Solutions to complete your measuring point



Power supplies & barriers, overvoltage protection

RN22



- Active barrier | 24 V DC**
- 1/2 channel, signal doubler
 - 4 ... 20 mA/HART®, T-connector
 - In/Out active or passive, HART® signal tapping
 - cULus, SIL 2 (SC 3), Marine (DNV)
 - ATEX/IECEX, EAC, NEPSI, CSA, JPN Ex

RLN22



- NAMUR isolating amplifier | 24 V DC**
- 1/2 channel, relay output, T-connector
 - Line fault detection, wire break or short-circuit
 - SIL 2, Marine (DNV)
 - ATEX/IECEX

RNO22



- Output isolating amplifier | 24 V DC**
- 4 ... 20 mA/HART®
 - Line fault detection
 - SIL 2 (SC 3), Marine (DNV)
 - ATEX/IECEX

RNB22



- System power supply | 100-250 V AC/24 V DC 2.5 A**
- Static/dynamic boost 3.125 A / 5 A
 - Parallel operation for redundancy
 - Preventive function monitoring
 - Power supply for RN Series or 4 W sensors

RNF22



- Power supply / error signal doubler module**
- Single or redundant power supply in T-connector up to 3.75 A, with fuse
 - Error message in case of power failure
 - Group error message for NAMUR devices
 - ATEX/IECEX, Marine (DNV)

RN42



- Active barrier | 24 to 230V AC/DC**
- 1 channel, 4 ... 20 mA/HART®
 - In/Out active or passive, HART® sockets
 - Optional 180° rotated installation
 - cULus, SIL 2 (SC 3), Marine (DNV)
 - ATEX/IECEX, EAC, NEPSI, CSA, JPN Ex

RLN42



- NAMUR isolating amplifier | 24 to 230 V AC/DC**
- 2 channel, relay output
 - Line fault detection, wire break or short-circuit
 - SIL 2, Marine (DNV)
 - ATEX/IECEX

RB223



- Passive barrier**
- 1/2 channel, loop-powered
 - 4 ... 20 mA; input or output
 - HART® sockets
 - SIL 3
 - ATEX, FM, CSA

HAW562



- Surge arresters**
- DIN rail
 - 4 ... 20 mA, HART®, PFM, PROFIBUS PA/DP, FOUNDATION Fieldbus or RS-485, Modbus, 10-55 V; 90-230 V
 - SIL 2; ATEX/IECEX, non-Ex, CSA

HAW569



- Surge arresters**
- For installation in field device
 - 4 ... 20 mA, HART®, PFM, PROFIBUS PA, FOUNDATION Fieldbus, 0-66 V or 80-230 V
 - Non-Ex; Ex ia/d; ATEX/IECEX, CSA

Process indicator & control units

RIA15



- Loop-powered**
- 4 ... 20 mA or HART®
 - Versions for level, analysis
 - Field housing or panel
 - Ex ia
 - Aluminum or polymer (PC)
 - SIL, Marine (DNV)
 - ATEX, FM, CSA, IECEX, EAC, JPN Ex, NEPSI

RIA14



- Loop-powered**
- 4 ... 20 mA, HART® transparent
 - Field housing, aluminum or 316L
 - Ex d (flameproof)
 - cURus, Marine (DNV)
 - ATEX, FM, CSA, IECEX, EAC, NEPSI, TIIS

RIA16



- Loop-powered**
- 4 ... 20 mA, HART® transparent
 - Field housing, aluminum or polymer (PC)
 - Ex ia
 - cURus, Marine (DNV)
 - ATEX, FM, CSA, IECEX, EAC, NEPSI

RID14



- Fieldbus indicator**
- FOUNDATION Fieldbus or PROFIBUS PA, 8 channels
 - Field housing, aluminum or stainless steel (316L)
 - Ex d (flameproof)
 - ATEX, CSA, FM, IECEX

RID16



- Fieldbus indicator**
- FOUNDATION Fieldbus or PROFIBUS PA, 8 channels
 - Field housing, aluminum or polymer (PC)
 - Ex ia
 - ATEX, CSA, FM, IECEX

RMA42



- Process indicator with control unit**
- 1/2 analog, temperature inputs
 - 1/2 analog, 0/2 relay outputs
 - Multiplication, average, differential functions
 - Linearization, limit value, overfill prevention
 - cURus, SIL 2, Marine (DNV)
 - ATEX, FM, CSA, NEPSI

RIA45



- Process indicator with control unit**
- 1/2 analog, temperature inputs
 - 1/2 analog, 0/2 relay outputs
 - Multiplication, average, differential functions
 - Linearization, limit value, overfill prev.
 - cURus, SIL 2, Marine (DNV)
 - ATEX, FM, CSA

RIA46



- Process indicator with control unit**
- 1/2 analog, temperature inputs
 - 1/2 analog, 0/2 relay outputs
 - Multiplication, average, differential functions
 - Linearization, limit value, overfill prev.
 - cURus, SIL 2
 - ATEX, FM, CSA

RIA452



- Process indicator**
- Alternating pump control
 - Linearization, integration
 - Limit function
 - 1 analog input, 4/8 relay outputs
 - FM, CSA

Application & energy managers

RH33



- BTU meter for custody transfer**
- Water, glycol, other fluids
 - Bidirectional measurement
 - IAPWS-97 calculation standard
 - Web server, USB, TC/IP, Modbus, M-Bus
 - MID, OIML R75, CSA GP, PTB

RS33



- Steam calculator; mass and energy**
- Saturated and superheated steam
 - Bidirectional measurement
 - IAPWS-97 calculation standard
 - Web server, USB, TCP/IP, Modbus, M-Bus
 - CSA GP

RA33



- Batch controller**
- Batching and dosing
 - Automatic after-run correction
 - ASTM D1250-04
 - USB, TCP/IP, Modbus TCP, RTU, RS-232
 - CSA GP, NTEP

RMS621



- Steam and heat computer**
- Steam and water
 - Up to 3 applications
 - IAPWS-97 calculation standard
 - RS-232, 2x RS-485, PROFIBUS DP, Modbus
 - M-Bus, OIML R75

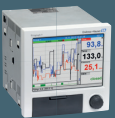
RMC621



- Universal flow/energy computer**
- Gas, liquids, steam, water
 - Up to 3 applications
 - IAPWS-97, NX19, SGERG88, AGA8
 - RS-232, 2x RS-485, PROFIBUS DP, Modbus
 - M-Bus, OIML R75, ATEX, CSA, FM

Data managers & data loggers

RSG35



- Graphic data manager**
- Up to 12 universal inputs
 - 30 limit values/6 relays
 - 4 math channels
 - USB, Ethernet, RS-232/RS-485
 - Modbus RTU/TCP slave

RSG45



- Advanced data manager**
- Front panel; stainless steel, DIN rail
 - Math channels, telealarm
 - Batch controller, energy computer
 - W_WW application packages
 - Trustsens calibration monitoring

FDM



- Analysis software**
- Compliant with FDA 21 CFR Part 11
 - Data integrity in accordance with ALCOA+
 - Supports SQL databases

Connectivity

SWA70



- WirelessHART® adapter**
- Fast upgrade of HART® devices to WirelessHART® technology
 - Wireless transmission of 4 ... 20 mA/HART® signals
 - ATEX, CSA, IEC Ex, JPN Ex

SWG70



- WirelessHART® Fieldgate**
- Easy commissioning and diagnosis of a self-organizing WirelessHART® network
 - Ethernet and RS-485 interfaces
 - ATEX, IECEX Ex, FM

SMT70



- Tablet PC for device configuration**
- HART®, PROFIBUS DP/PA, FOUNDATION Fieldbus, Modbus protocols
 - Connection to Netilion (Endress+Hauser IIoT ecosystem)
 - ATEX, NEC/CEC, IECEX

SMT77



- Tablet PC for device configuration in Ex Zone 1**
- HART®, PROFIBUS DP/PA, FOUNDATION Fieldbus, Modbus protocols
 - Connection to Netilion (Endress+Hauser IIoT ecosystem)
 - ATEX, IECEX, UL

SMT50



- Tablet PC for Field Xpert**
- WLAN + WWAN LTE+GPS for EU / US
 - Application in non-Ex areas

SFG250



- Ethernet HART® gateway**
- For remote monitoring and configuration
 - Integrated web server
 - UL

SFG500



- Ethernet/PROFIBUS gateway**
- Ethernet/PROFIBUS DP gateway with integrated web server
 - Monitoring of PROFIBUS and HART® device status
 - Fieldgate modules SFM500: display of process values and diagnostics

SGC500



- FieldEdge**
- PROFIBUS, HART®, WirelessHART® in conjunction with Fieldgates
 - Connection to Netilion (Endress+Hauser IIoT ecosystem)

SGC200



- FieldEdge**
- Bluetooth®/LTE
 - API (Application Programming Interface)
 - Connection to Netilion (Endress+Hauser IIoT ecosystem)

SWA50



- BT/Wireless HART® adapter (FieldPort)**
- Converts HART® signal of field device to Bluetooth® or Wireless HART® signal
 - 2- and 4-wire HART® field devices
 - ATEX, IECEX

Further information



Everything at a glance

Find out everything you need
to know about system products
and data managers

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