Memograph M RSG45

Advanced data manager family

Memograph M RSG45
Designed for the Industry 4.0

The range of highly flexible advanced data managers for applications across all industries provide secure, intuitive access to your remote instruments and data.

The tamper-proof solution for monitoring and storing measured process values offers predefined application packages and remote administration via webserver, saving time and increasing process transparency.

The devices excel in connectivity for seamless integration into new and existing system architectures, bridging the gap from the field level up to the Ethernet-based control level or cloud infrastructure.

Your benefit

Value	Benefit		Feature
Secure data handling	■	Protection against unauthorized access ■ Fulfillment of burden of proof ■ FDA 21 CFR part 11 compliant	■ User administration ■ Tamper-proof data storage ■ Built-in and removable storage
Time-saving integration into validated systems	■	Easy setup and intuitive operation ■ Simplified programming ■ RSG45 and FDM - harmonized system	■ IQ/OQ documentation for guided commissioning ■ Predefined application packages ■ Fieldbus & protocols: HART, Modbus (RTU/TCP), PROFIBUS DP, EtherNet/IP, PROFINET, OPC
Maximum process transparency, plant safety and availability	■	Gapless data transfer ■ Direct access to field device for status information, diagnostics and configuration ■ Enables predictive maintenance	■ Webserver ■ Telealarm, limits, linearization ■ Real-time clock (NTP synchronization) ■ iTHERM TrustSens calibration monitoring

Application

Memograph M RSG45 is a flexible and powerful system for organizing process values. With its intuitive operation, the system quickly and easily adapts to nearly any application. Measured process values are clearly presented on the display or webserver, analyzed and safely logged, all while being monitored against programmed limits. The measured and calculated values can be readily communicated to higher-level systems via common communication protocols such as EtherNet/IP, PROFINET or Modbus. Individual plant modules can be easily interconnected.

For more information please visit
www.endress.com/rsg45

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Specifications & features at a glance

Input / Output

- Up to 20 universal (U, I, TC, RTD) / HART inputs Integration; linearization
- 6 (14) digital inputs
- 6 (12) relays
- 2 analog outputs
- Sensor power supply (24 V DC / 250 mA)

Interfaces

- Ethernet TCP/IP, USB
- Modbus (RTU/TCP), PROFIBUS DP, PROFINET, EtherNet/IP
- Serial RS232, RS485

Data storage

- Internal memory: 256 MB
- SD card, USB drive: up to 32 GB
- Storage cycle: 100 ms

Visualization (n.a. DIN rail)

- 7" TFT screen; 256 colors, 800 × 480 pixels
- Display modes: Curve, waterfall, bargraph, digital, instrument display, circular chart, process-related graphic

Operation & setup

- Webserver, touch screen or navigator
- Keyboard + mouse (USB)

Software and application packages

- 12 mathematic channels
- Limit switches, integration, linearization
- Tele alarm
- Batch software
- Water & Wastewater, storm overflow
- Energy software
- iTHERM TrustSens calibration monitoring

System integration

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