

# Memograph M RSG45 Advanced Data Manager

Saves, visualizes, analyzes and communicates



Više informacija i trenutne cijene:

[www.hr.endress.com/RSG45](http://www.hr.endress.com/RSG45)

## Prednosti:

- High degree of data security: tamper-proof data storage and personalized access authorization with electronic signature (FDA 21 CFR 11)
- HART input card: HART sensors directly connected provide accurate process values for calculation and logging
- **HART** gateway: time-saving direct access to HART sensors in the field with FieldCare using Memograph M without interrupting the measuring loop
- Stainless steel front with touch operation: trouble-free operation in demanding environments such as hygienic or hazardous areas. DIN rail version: compact device with small dimensions for cabinet mounting or remote field applications.
- System capability: supports common fieldbuses (Modbus, Profibus DP, PROFINET, EtherNet/IP) for fast integration into diverse systems
- Integrated Web server: remote access to device operation and visualization for lower maintenance costs
- WebDAV: files saved on SD card transmitted directly to a PC via HTTP without any additional software.

## Kratke specifikacije

- **Input** 0...20 universal HART 6...14 digital
- **Output** 2 analog
- **Display** 7" TFT
- **Storage/Recording** internal memory SD card USB flash drive
- **Calculations** Mass/heat quantity heat quantity difference

**Područje primjene:** The Advanced Data Manager is a flexible and powerful system for organizing process values. Thanks to its intuitive operation, Memograph M adapts quickly and easily to any application. The process values are clearly presented on the display and logged safely,

limits are monitored and analyzed. Via communication protocols, the measured and calculated values can be easily transferred to higher-level systems and plant modules can be interconnected. Also available as DIN rail version without display.

## Značajke i specifikacije

### Energy & Application Manager

**Mjerni princip**

Energy manager

**Measuring principle**

Energymanager

**Function**

Mass flow and energy calculation for Water and Steam.

**Calculations**

Mass/heat quantity

heat quantity difference

**Number of applications**

Not defined

**Data storage**

yes

**Calculation standards**

IAPWS-97

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**Energy & Application Manager Communication**

RS232/485

Ethernet

USB

Modbus RTU/TCP Slave

Modbus RTU/TCP Master

Profibus DP

PROFINET Device

EtherNet/IP Adapter

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**Power supply**

Not defined

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**Loop power supply**

24 V DC +/-15%

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**Protection class**

IP65 (front-panel)

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**Input**

0...20 universal

HART

6...14 digital

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**Output**

2 analog

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**Dimensions (WxHxD)**195,2 x 149,2 x 227,1 mm (7,69" x 5,87" x 8,94")

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Energy & Application Manager

**Operation**

Navigator on-site, web server and via FieldCare/  
DeviceCare

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**Display**

7" TFT

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**Software functions**

Internal calculation for mass flow and energy

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**Certificates**

CE

EAC

UL (US und CA)

ATEX II2G Ex px IIC Gb

ATEX II2D Ex pD IIIC Db

UL listed

PROFINET certified

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Data Manager & Data Logger

**Mjerni princip**

Data manager

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**Measuring principle**

Energymanager

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**Data Manager & Data Logger****Function**

Secure data recording and signal analysis

visualization

integrated web server for device set-up

HART(R) transparency, RSG45 as a HART modem

E-Mail notification (encrypted mails)

100 ms scan rate, high speed storage cycle 100 ms

modular design for simple expansion

data readout and processing via Field Data Manager Software

OPC server for indication of instantaneous values (optional)

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**Input**

20 analog (max) (U, I, TC, RTD, frequency, pulse)

20 HART (max) (HART, 4...20mA)

14 digital (max) (control, event and counting inputs)

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**Output**

12 relays (max)

2 analog (max) (I, pulse)

1 transmitter power supply

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Data Manager & Data Logger

**Interface**

RS232/485

Ethernet

USB

Modbus RTU/TCP Slave

Modbus RTU/TCP Master

Profibus DP

PROFINET Device

EtherNet/IP Adapter

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**Storage/Recording**

internal memory

SD card

USB flash drive

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**Display**

TFT 7" colour graphic display

TFT 7" colour graphic display with touch panel

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**Housing**

panel mounting with zink diecast bezel

panel mounting with stainless steel bezel

desktop housing

field housing

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Data Manager & Data Logger

**Power supply**

100...230 V AC +/-10%

24V (-10%; +15%) AC/DC

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**Certificates**

CE

EAC

UL (US und CA)

ATEX II2G Ex px IIC Gb

ATEX II2D Ex pD IIIC Db

UL listed

PROFINET certified

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**Software package**

Batch software

Waster water software

Tele-alarm software

Energy software (water + steam)

Waste water + storm overflow + Tele Alarm

Tele-alarm software + energy software (water + steam)

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