

# Memograph M RSG40



Lisätietoja ja ajankohtainen hinnasto:

[www.fi.endress.com/RSG40](http://www.fi.endress.com/RSG40)

## Edut:

- Visual: 7" TFT display as onsite display for optimum readability
- Secure: Security package with person-specific access authorization and electronic signature (FDA 21 CFR 11)
- Flexible: Free choice of display mode. E.g. instrument, process screen and circular chart display
- Clear: Alarm management with all active, confirmed and historical alarms
- Practicable: Installation depth 158 mm, front-panel IP65, NEMA4; Operating via external USB keyboard, printout via USB printer
- Limitless: Integrated Web server, fieldbus (Profibus, Modbus), common standard protocols and interfaces such as USB, TCP/IP, OPC and Ethernet are supported
- Informative: Event search, automatic signal analysis

## Tärkeimmät tekniset tiedot

- **Input** 4...20 universal 6...14 digital
- **Output** 2 analog
- **Display** Wide-screen TFT
- **Power supply** 100...230 V AC +/-10% 24V (-10%; +15%) AC/DC
- **Storage/Recording** Internal memory SD card USB Stick

**Käyttöalue:** Safe and complete recording and visualization of all process sequences. The Memograph M RSG40 has a wide range of functionality, modular construction and a intuitive operator concept. With its brilliant 7" TFT display it is possible to display process values e.g. as curves, as a circular chart display or as an application-specific process screen. The Memograph M offer is completed with specific application packages. Memograph M - More than just a videographic recorder!

## Ominaisuudet ja tiedot

**Energy & Application Manager****Mittausperiaate**

Application manager

**Measuring principle**

Energy manager

**Function**

Mass flow and energy calculation for Water and Steam.

**Calculations**

Not defined

**Number of applications**

Not defined

**Data storage**

yes

**Calculation standards**

Not defined

**Communication**

Not defined

**Power supply**

Not defined

**Loop power supply**

24...28 V DC

**Protection class**

IP30

**Input**

4...20 universal

6...14 digital

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**Energy & Application Manager****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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**Operation**

Jog shuttle on site and PC software ReadWin

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**Display**

Wide-screen TFT

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**Software functions**

Internal calculation for mass flow and energy

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**Certificates**

CE

EAC

UL (US and CA)

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**Thermal Energy Measurement****Mittausperiaate**

Electronic Data Acquisition

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**Function**

Mass flow and energy calculation for Water and Steam.

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**Certification**

CE,

EAC,

UL (US and CA)

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**Input**

4...20 universal, 6...14 digital

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**Output**

2 analog

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**Thermal Energy Measurement****Relay output**6...12

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**Auxiliary power supply**24...28 V DC

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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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**Software**Internal calculation for mass flow and energy

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**Operation**Jog shuttle on site and PC software ReadWin

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**Display**Wide-screen TFT

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**Others**Memory inside, balancing

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**Data Acquisition****Mittausperiaate**Electronic Data Acquisition

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**Functions**Signal analysis  
Interface / modem  
OPC-Server  
ReadWin 2000  
Mathematic formula editor  
energy package, water+steam

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**Maximal input**20 analog (U, I, TC, RTD, Frequency, Pulse)  
14 digital (control, event and counting inputs)

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## Data Acquisition

### Maximal output

12 Relay  
2 Analog output (I, Pulse)  
1 Power loop supply

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### Interface

RS 232  
RS 485  
Ethernet  
Modbus RTU  
Modbus TCP  
PROFIBUS DP  
USB

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### Storage/Recording

Internal memory  
SD card  
USB Stick

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### Display

TFT 7" colour graphic display

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### Housing

panel mounting  
desktop housing  
Field housing

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### Power supply

100...230 V AC +/- 10%  
24V (-10%; +15%) AC/DC

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### Certification

21 CFR 11  
Milk pasteurisation approval  
UL recognized  
CSA GP

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## Data Acquisition

### Software package

Batch programme  
Waster water software  
Tele-Alarm software  
Gas-Steam-Heat calculation  
Energy package + Water + Steam  
Waste water + Storm overflow + Tele Alarm  
Tele-Alarm software + Energy package + Water + Steam

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## Data Manager & Data Logger

### Mittausperiaate

Data manager

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### Measuring principle

Advanced Graphic Data Manager

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### Function

The versatile solution with secure data recording, visualization and application-specific software packages.

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### Input

20 analog (max) (U, I, TC, RTD, frequency, pulse)  
14 digital (max) (control, event and counting inputs)

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### Output

12 relays (max)  
2 analog output (max) (I, pulse)  
1 loop power supply

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### Interface

RS232/485  
Ethernet  
USB  
Modbus RTU/TCP Slave  
Modbus RTU Master  
PROFIBUS DP

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**Data Manager & Data Logger****Storage/Recording**

internal memory  
SD card  
USB flash drive

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**Display**

TFT 7" colour graphic display

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**Housing**

panel mounting  
desktop housing  
field housing

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**Certificates**

21 CFR Part 11  
Milk pasteurisation approval  
UL recognized  
CSA

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**Software package**

Batch software  
Waster water software  
Tele-alarm software  
Gas-steam-heat calculation  
Energy software (water + steam)  
Waste water + storm overflow + Tele Alarm  
Tele-alarm software + energy software (water + steam)

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