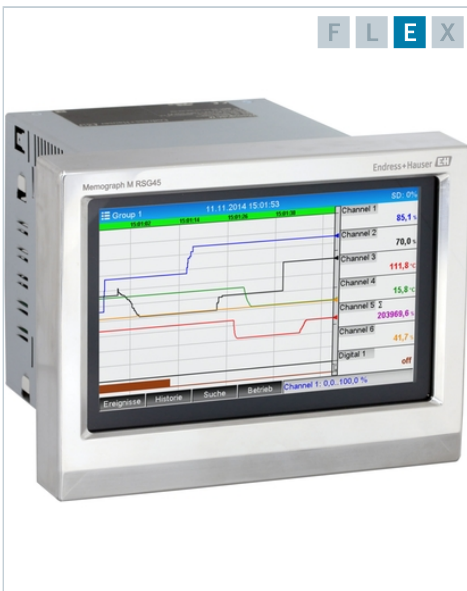


Memograph M RSG45 Advanced Data Manager

Saves, visualizes, analyzes and communicates



Lisätietoja ja ajankohtainen hinnasto:

www.fi.endress.com/RSG45

Edut:

- 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.

Tärkeimmät tekniset tiedot

- **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

Käyttöalue: 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.

Ominaisuudet ja tiedot

Energy & Application Manager	Mittausperiaate
	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
	Communication
	RS232/485
	Ethernet
	USB
	Modbus RTU/TCP Slave
	Modbus RTU/TCP Master
	Profibus DP
	PROFINET Device
	EtherNet/IP Adapter

Energy & Application Manager**Power supply**Not defined

Loop power supply24 V DC +/-15%

Protection classIP65 (front-panel)

Input

0...20 universal

HART

6...14 digital

Output2 analog

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

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

Display7" TFT

Software functionsInternal calculation for mass flow and energy

Certificates

CE

EAC

UL (US und CA)

ATEX II2G Ex px IIC Gb

ATEX II2D Ex pD IIIC Db

UL listed

PROFINET certified

Data Manager & Data Logger**Mittausperiaate**Data manager

Measuring principleEnergymanager

FunctionSecure 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)

Input

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

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

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

Output

12 relays (max)

2 analog (max) (I, pulse)

1 transmitter power supply

Interface

RS232/485

Ethernet

USB

Modbus RTU/TCP Slave

Modbus RTU/TCP Master

Profibus DP

PROFINET Device

EtherNet/IP Adapter

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

internal memory
SD card
USB flash drive

Display

TFT 7" colour graphic display
TFT 7" colour graphic display with touch panel

Housing

panel mounting with zinc diecast bezel
panel mounting with stainless steel bezel
desktop housing
field housing

Power supply

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

Certificates

CE
EAC
UL (US und CA)
ATEX II2G Ex px IIC Gb
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UL listed
PROFINET certified

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)

Lisätietoja www.fi.endress.com/RSG45