

RMS621

Energy manager

Steam and heat computer for industrial energy calculation of steam and water



More information and current pricing:

www.apsc.endress.com/RMS621

Benefits:

- Calculation of the following applications:
Steam mass, steam heat quantity, net steam quantity, steam-heat differential, water heat quantity, water heat differential
- Simultaneous calculation of up to three applications per device
- Bi-directional flow applications or energy measurement is possible
- Split-range flow measurements
- Flow compensation due to improved differential pressure procedure
- Calculation as per IAPWS-IF 97
- Meets standards EN 1434-1, 2, 5 and 6 and OIML R75

Specs at a glance

- **Input** 2...6x RTD 2...8x I 2...8x PFM 2...8x Impulse (aktive) 2...8x Impulse (passive)
- **Output** 3...9x transmitter power supply
- **Display** Dot-Matrix LCD, backlit, colour change in case of alarm event
- **Calculations** heat quantity heat quantity difference

Field of application: The steam and heat computer RMS621 calculates steam mass, steam heat quantity, net steam quantity, steam-heat differential, water heat quantity and water-heat differential in up to 3 simultaneous applications. Bi-directional and splitting range measurements are possible. It supports analog, PFM or pulse signals for flow and pressure sensors. Temperature sensors can be connected in 3- or 4-wire connection or via transmitter. A loop power supply is available for each analog or pulse input.

Features and specifications

Energy & Application Manager

Measuring principle

Energy manager

Measuring principle

Energymanager

Function

Steam and water balancing for industrial energy management

Calculations

heat quantity

heat quantity difference

Number of applications

3

Data storage

no

Calculation standards

IAPWS-97

Communication

1 x RS232

2 x RS485

PROFIBUS DP

M-Bus

Modbus RTU

Power supply

Not defined

Loop power supply

90...250V AC 50/60 Hz

20...28V AC 50/60 Hz

20...36V DC

Energy & Application Manager

Protection class

IP20

Input

2...6x RTD

2...8x I

2...8x PFM

2...8x Impulse (aktive)

2...8x Impulse (passive)

Output

3...9x transmitter power supply

Dimensions (WxHxD)

135 x 108 x 114 mm (5.32" x 4.25" x 4.49")

Operation

Soft keys RS232 and operation software ReadWin 2000

Display

Dot-Matrix LCD, backlit, colour change in case of alarm event

Software functions

International calculation standards for steam and water

Certificates

EAC

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