

# RMS621

## Energy manager

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



Lisätietoja ja ajankohtainen hinnasto:

[www.fi.endress.com/RMS621](http://www.fi.endress.com/RMS621)

#### Edut:

- 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

#### Tärkeimmät tekniset tiedot

- **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

**Käyttöalue:** 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.

---

## Ominaisuudet ja tiedot

---

### Energy & Application Manager

**Mittausperiaate**

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

---

Lisätietoja [www.fi.endress.com/RMS621](http://www.fi.endress.com/RMS621)