**RMS621**  
**Energy manager**

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

**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.

More information and current pricing:  
[www.easc.endress.com/RMS621](http://www.easc.endress.com/RMS621)
## Features and specifications

### Energy & Application Manager

**Measuring principle**
- Energy manager

**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
## Energy & Application Manager

### Loop power supply
- 90...250V AC 50/60 Hz
- 20...28V AC 50/60 Hz
- 20...36V DC

### 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
More information www.easc.endress.com/RMS621