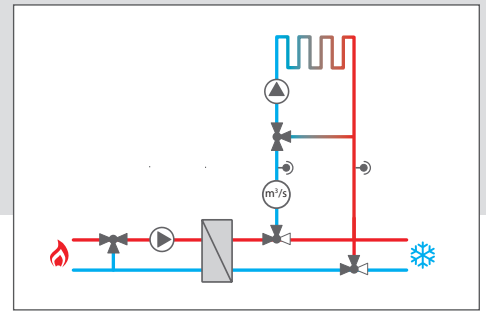


EXAMPLE



EXAMPLE

WMZ Plus Calorimeter

Universal calorimeter module for solar, heating and cooling systems. Graphic display for indication of flow and return temperature, heat quantity, flow rate and sensor faults (balance values are also stored in case of a power failure). Suited for systems with water or water-glycol mixtures (water, propylene glycol, ethylene glycol and Tyfocor® LS adjustable).

- Single or combined measurement of heat and cold energy
- Two independent calorimeters
- Commissioning menu for easy configuration
- Conversion into selectable alternative units (€, kg CO₂, m³ gas, etc.)

TECHNICAL DATA

Inputs:

4 Pt1000 temperature sensors, 2 impulse inputs (adjustable), 2 4-20 mA inputs (convertible to 0-10 V), 2 analogue Grundfos Direct Sensors™ (VFS)

Outputs: 2 SO outputs

Power supply: 100–240 V~ (50–60 Hz)

Standby: < 1 W

Settings:

- **Volumetric content of glycol:** 0... 70 % (1- % steps)
- **Impulse rate of flow rate:** 0... 99 l/Imp (1- l/Imp steps) for V40 flowmeter

Temperature measurement: with Pt1000 sensors and Grundfos Direct Sensors™ (VFS)

Measuring accuracy: ± 0.3 K

Measuring range: -40... +120 °C

Data interface:

RESOL VBus®, MicroSD card slot

Display:

graphic display, operating control LED (Lightwheel®)

Operation: 2 buttons and 1 adjustment dial (Lightwheel®)

Ingress protection: IP 20/EN 60529

Protection class: I

Ambient temperature: 0... 40 °C

Fuse: T200mA


Maximum altitude: 2000 m above MSL

Dimensions: 110 x 166 x 47 mm

Article no.	Article	Price bracket
135 307 23	WMZ Plus – Calorimeter module	B
135 307 43	WMZ Plus – Full kit » incl. 2 Pt1000 sensors (2 x FRP30) and V40-15 flowmeter	B
135 307 53	WMZ Plus – Full kit » incl. 2 Pt1000 sensors (2 x FRP30) and V40-25 flowmeter	B
135 307 63	WMZ Plus – Full kit » incl. 2 Pt1000 sensors (2 x FRP30) and V40-35 flowmeter	B
135 307 73	WMZ Plus – Full kit » incl. 2 Pt1000 sensors (2 x FRP30) and V40-60 flowmeter	B
135 307 83	WMZ Plus – Full kit » incl. 2 Pt1000 sensors (2 x FRP30) and V40-100 flowmeter	B
135 307 93	WMZ Plus – Full kit » incl. 2 Pt1000 sensors (2 x FRP30) and V40-150 flowmeter	B


ACCESSORIES

V40



The RESOL V40 is a measuring instrument with a contactor for measuring the flow

Calorimeter extension kits



Calorimeter extension kits (consisting of 2 x FRP30, 1 x flowmeter)