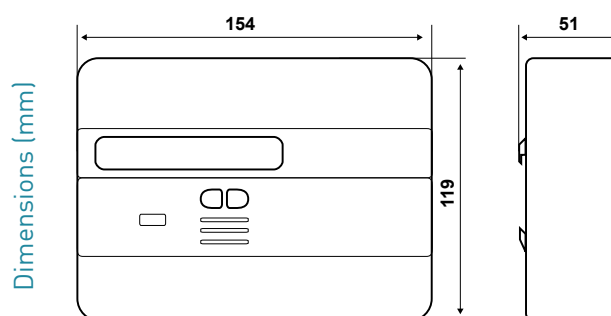


ECCM33 - ECCM33R

Thermal energy calculator split version



HYDROSPLIT M3 is a separate (split) thermal energy calculator easily connectable to external flowmeters equipped with pulse output and to be installed on sites where because of pipe sizes larger than 3/4" or hard to reach places, the compact heat meter cannot be used.



	Power supply	Temperature measuring range	Temperature sensor	Protection degree	Pulse inputs	Pulse outputs	Communication
ECCM33	litium battery 3,6V	5 ÷ 180 °C	PT1000	IP52	n.2 pulse inputs	n.2 pulse outputs	M-Bus
ECCM33R	litium battery 3,6V	5 ÷ 180 °C	PT1000	IP52	n.2 pulse inputs	n.2 pulse outputs	M-Bus / M-Bus Wireless

ACCESSORIES

EC3PT1000	Pair of probes 45 mm, PT1000, with 3 mt cable
EC10PT1000	Pair of probes 45 mm, PT1000, with 10 mt cable
EC45PA	Pocket of 45 mm for piping until DN 50
EC85PA	Pocket of 85 mm for piping from DN 65 to DN 80
EC125PA	Pocket of 125 mm for piping from DN 100
ECSW	Software for configuring and reading accounting devices
ECVUSB	USB antenna for configuration and reading via radio

INSTALLATION

The thermal energy calculation unit must be connected to a meter installed on the system return pipe.

SEE SIDE: EXAMPLE OF INSTALLATION ON RETURN PIPE.



REGULATIONS AND APPROVALS

Approved according to the MID 2014/32/UE MI004 standard and the EN1434 standard.



TECHNICAL FEATURES

Environmental class	A (E1; M1)
Temperature measuring range (Heating)	5 ÷ 180 °C
Temperature difference range (Heating)	3 ÷ 150 K
Temperature measuring range (cooling)	2 ÷ 24 °C
Calibration temperature	3 ÷ 20 K
Maximum measurable power	99 MW
Temperature sensor	PT 1000
Cable length for the temperature sensor	3 m / 10 m
Power supply	lithium battery / external power supply
Max. Battery life (basic version)	10+1 years*
Protection degree	IP52
Display level	6
Display	LCD 8 digits + icons
Energy load indicator	MWh
Maximum cable length pulse emitter	2 m
Input pulse rate	0.1 - 0.25 - 1.0 - 2.5 - 10 - 25 - 100 - 250 litri
Pulse input	1 dedicated for the heating/cooling circuit meter 2 dedicated to additional pulse output meters (sanitary)
Pulse output	1 heating output 1 cooling output
Pulse input class	Class IA (default): Open Collector or reed contact, max 5Hz
Display Pulse input maximum frequency (MID approved)	5Hz
Installation site of flowmeter (Flow in)	Return pipe
Supported vector fluid	Water

*The battery life strongly depends on the working time window, set during the configuration process, and on the environmental conditions.