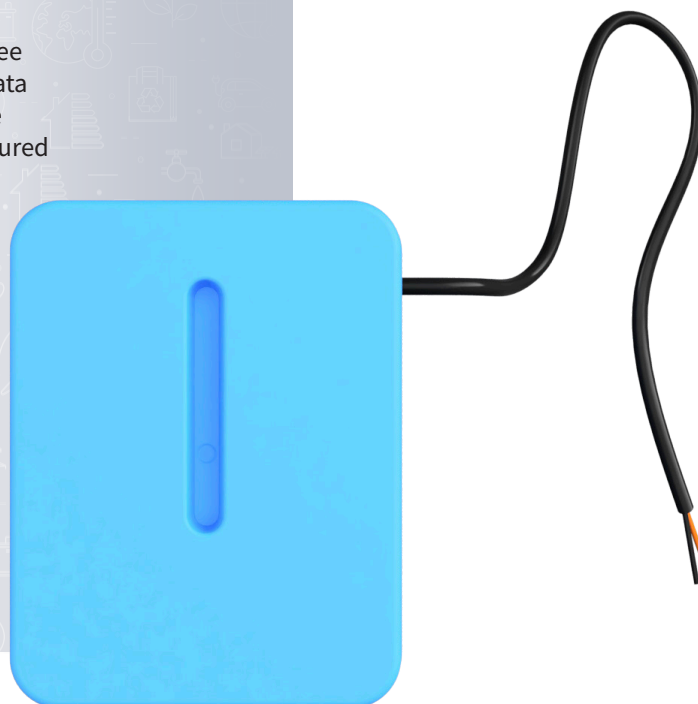


# Heatsense

EHM7-1

The EHM7-1 Heatsense sensor is designed to be connected to heat meters with a pulse potential-free output. It has one input and the main measured data is the aggregate of pulses from the heat meter. The sensor is battery-powered and transmits the measured data wirelessly via the gateway to the cloud.



## Technical data

<b>Measured data</b>	heat consumption (direct impulse reading) [imp]
<b>Physical dimensions</b>	85 × 65 × 45 mm
<b>Weight</b>	250 g (including batteries)
<b>Material</b>	ABS plastic
<b>Protection</b>	IP66
<b>Working conditions</b>	from -20 °C to + 60 °C, < 100 % RH
<b>Interface</b>	open wires for potential-free REED fixed contact
<b>Required accessories</b>	gateway EWG6-C, holder
<b>Power supply</b>	2× exchangeable C alkaline 1,5 V
<b>Battery life</b>	> 2 years (max. 5 years)
<b>Connectivity</b>	433MHz Radio (Chirp protocol)
<b>Radio range</b>	< 100 m (depending on the local conditions)
<b>Transmitting power</b>	< 10 mW
<b>Transmission time</b>	< 5 ms
<b>Transmission period</b>	10 s
<b>Resolution of metering</b>	depends on heat meter conversion constant [imp/J or kWh]
<b>Accuracy of metering</b>	1 imp
<b>Range of metering</b>	32-bit impulse counter; > 0,2 ms pulse width
<b>Activation</b>	by placing on designated holder, by measurement (from 05/2021)