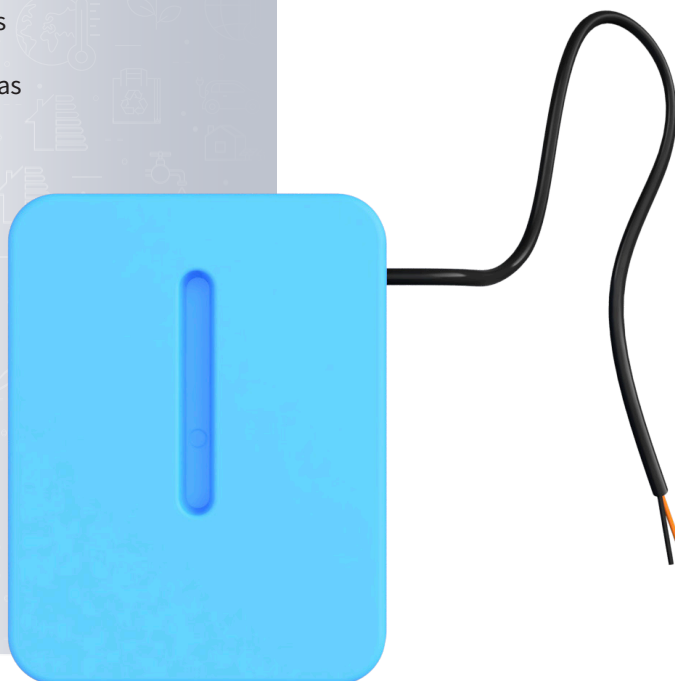


Relaysense Gas

EGM7-1

The EGM7-1 sensor is designed for connection to gas meters with a pulse potential-free output. The main measured data is the aggregate of pulses from the gas meter. The sensor is battery-powered and transmits the measured data wirelessly via the gateway to the cloud.



Technical data

Measured data	gas consumption (indirect impulse reading) [imp]
Physical dimensions	85 × 65 × 45 mm
Weight	250 g (including batteries)
Material	ABS plastic
Protection	IP20
Working conditions	from -20 °C to +60 °C, < 80 % RH (non-condensing)
Input	open wires for potential-free REED contact (fixed)
Required accessories	holder, gateway EWG6-C
Power supply	2× exchangeable alkaline C 1.5V
Battery life	> 2 years (max. 5 years)
Connectivity	433MHz Radio (Chirp protocol)
Radio range	< 100 m (depending on the local conditions)
Transmitting power	< 10 mW
Transmission time	< 5 ms
Transmission period	5 s
Resolution of metering	depends on gas meter conversion constant [imp/m ³]
Accuracy of metering	1 imp
Range of metering	32-bit impulse counter; > 1 ms pulse width
Activation	by placing on designated holder; by measurement (from 05/2021)