

Wireless
applications

LoRa EHKV EURIS3L



- ❑ LoRaWAN™ Radio (bidirectional)
- ❑ Optical interface
- ❑ Remote sensor pluggable
- ❑ 18 half-yearly + 18 monthly values
- ❑ 1 key date value, 1 last monthly value
- ❑ Key date value secured with check digit
- ❑ Device PIN for optical interface
- ❑ Service life up to >15 years
- ❑ OTAA / APB commissioning possible
- ❑ Optional with remote sensor

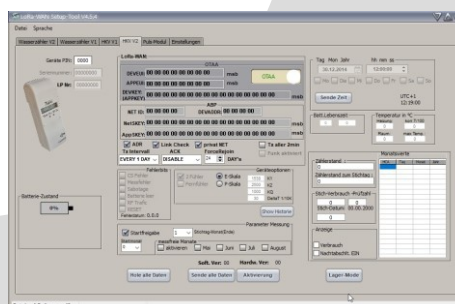
LoRa is a registered trademark of Semtec

Product description

The Euris 3L (oRa) is a modern 2-sensor heat cost allocator with an optical interface and bidirectional LoRa™ radio, offering a very long range.

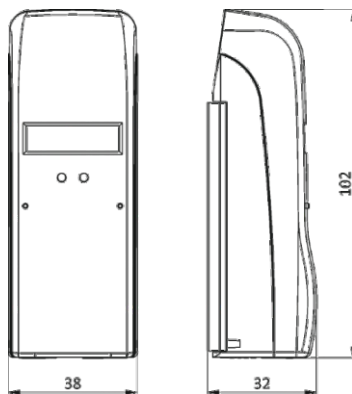
- ✓ Precise electronic consumption recording Internal
- ✓ measures against incorrect counting Measurement
- ✓ pause can be activated during the summer months
- ✓ Up to 15 years of maintenance-free operation
- ✓ Freely configurable via optical interface & LoRa Can be
- ✓ obtained independently of measurement services
- ✓ Optical interface secured via device PIN
- ✓ LoRaWAN™ radio
- ✓ Sends installation logs when LoRa™ radio is activated

Free configuration software. The operator can configure the devices according to their requirements. Communication with the device is secured with a PIN, which protects the device from unauthorised access. The PIN can also be set or activated via LoRa™.



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The EHKV has a rolling display. An optical extension can be snapped on to cover paint defects on the radiator caused by conversion work. An optional remote sensor can be plugged in.

The device is activated automatically when it is connected.

Power supply	3VDC battery
Operating time with one battery	up to >15 years
Interfaces	Optical, Lo Ra
Radio interface	LoRaWAN radio
Protocols	With meter reading, reference date and monthly value
Security	Encryption within the framework of Lo RaWAN
Temperature sensor	2, optionally with remote sensor
Cut-off date	Last day of the month and April of the year, adjustable
Optical interface	IrDA with password protection
CE conformity according to	Directive 2014/53/EU (RED)
Communication	Lo RaWAN TM
Specification Lo RaWAN TM	V1.0.4
Radio frequency band EU	863 MHz -870 MHz
Transmission power (ERP)	max. 14 dBm
Rx sensitivity	up to -140 dBm
Radio cycles	every 1, 2, 4 days, or once with temperature history
Radio activation	Attachment / optical head / optional activation head
t _{min}	35°C
t _{max}	95°C (105°C with remote sensor)
Measured value memory	Counter reading, sample value, 18 monthly/half-yearly values
Display	7 1/2 digits
Test mark	Approved according to HKVO / CE
Settings via Lo Ra	PIN, deadline, display, Kc values, transmission mode
Optional queries via Lo Ra	Monthly values, half-monthly values, transmission statistics

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