

# IZAR RADIO ADAPTER ZVEI

## RADIO MODULE

HYDROMETER



### APPLICATION

Radio adapter for the readout of electricity meters with optical interface. Usable for optimum reading with difficult access.

Attention: the modules can be deployed only in projects and only if the used meters were tested by HYDROMETER!

### FEATURES

- ▶ Simple installation
- ▶ Transmission of real meter data by radio to mobile or stationary receivers
- ▶ For all types of electricity meters with optical interface according to DIN EN 62056-21 Mode C and D
- ▶ On-site-programming using IrDa interface
- ▶ Storage and transmission of one due date value
- ▶ Battery powered with a typical lifetime of 12 years

# IZAR RADIO ADAPTER ZVEI

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### PRINCIPLE OF OPERATION

The IZAR RADIO ADAPTER ZVEI consists of an electronic unit, which receives and saves meter information in the form of real data. The radio module sends the meter number, meter reading and various items of operating information every 15 sec. The data can be received by a mobile or static receiver.

**Mobile:** The IZAR POCKET pocket PC collects the data in walk-by or drive-by mode in conjunction with the HYDROMETER BLUETOOTH RECEIVER. The data for the reading route is sent directly to the central PC.

**Static:** A HYDROMETER RECEIVER (M-Bus, LAN, WLAN, GPRS) collects and saves the data and transfers it cyclically to a control centre (e.g. IZAR CENTER, Web server).

### TECHNICAL DATA

1	
Versions / frequency band	868,95 MHz
Modulation	FSK
Transmission power	7 mW
Transmission mode	Unidirectional
Radio range	Up to 300 m depending on ambient conditions
Programming interface	Optical IrDa
Approval in compliance with standard	EN 300220 R&TTE, EN 301489 R&TTE, EN 60950 Safety & Health, EN 61 000 EMC
Power supply	1 Lithium battery 3,6 V
Battery lifetime	12 years typically
Data update	EHZ: 15min, others: 1h
Sending interval	15s

### AMBIENT CONDITIONS

1	
Operating temperature	°C -25 ... +60
Storage temperature	°C -30 ... +70
Humidity	% 0 ... 85
Protection class	IP 51

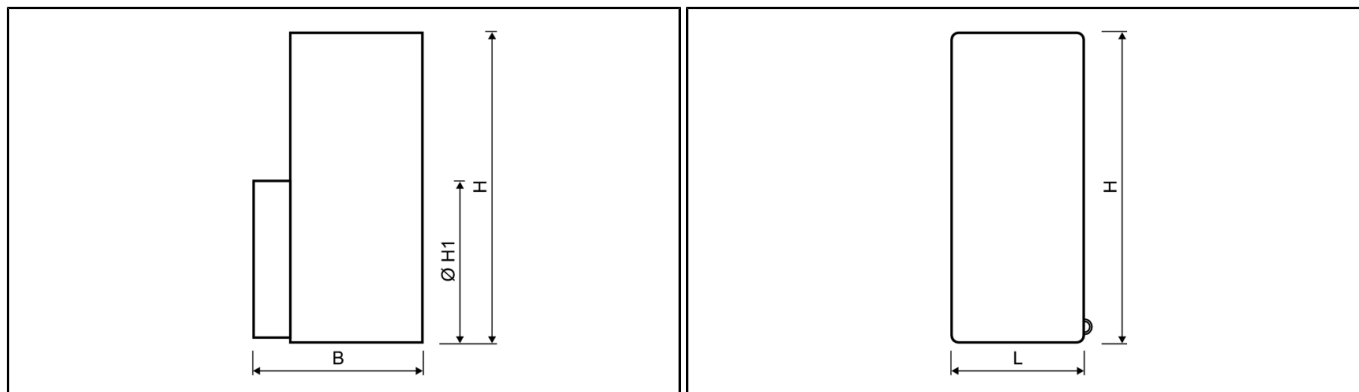
### OPTICAL INTERFACE

1	
Programmable values	Radio on/off, meter type, due date

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## DIMENSIONS



				1
Length	L	mm		34,5
Width	B	mm		34
Height	H	mm		65
Height	H1	mm		34