

# IZAR RADIO EXTERN PULSE

RADIO MODULE

HYDROMETER



## APPLICATION

External radio module for meters with pulse transmitter or open collector interface. Usable for optimum reading with difficult access.

## FEATURES

- ▶ Simple installation
- ▶ Transmission of meter data by radio to mobile or stationary receivers
- ▶ For all types of meters with pulse transmitter or open collector interface
- ▶ On-site-programming using IrDa interface
- ▶ Storage and transmission of up to three due date values
- ▶ Battery powered with a typical lifetime of 15 years

# IZAR RADIO EXTERN PULSE

## RADIO MODULE

### PRINCIPLE OF OPERATION

The IZAR RADIO EXTERN PULSE consists of an electronic unit, which receives and saves meter information in the form of pulses. The radio module sends the meter number, meter reading and various items of operating information every 8 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

IZAR RADIO EXTERN	
Versions / frequency band	868,95 MHz and 434,475 MHz
Modulation	FSK
Transmission power	7 mW
Transmission mode	Unidirectional
Radio range	Up to 400 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	2 Lithium batteries 3,6 V
Battery lifetime	15 years typically
Data update	Permanent
Sending interval	8s

### AMBIENT CONDITIONS

IZAR RADIO EXTERN	
Operating temperature	°C -15 ... +55
Storage temperature	°C -15 ... +55
Humidity	% 0 ...100
Protection class	IP 68

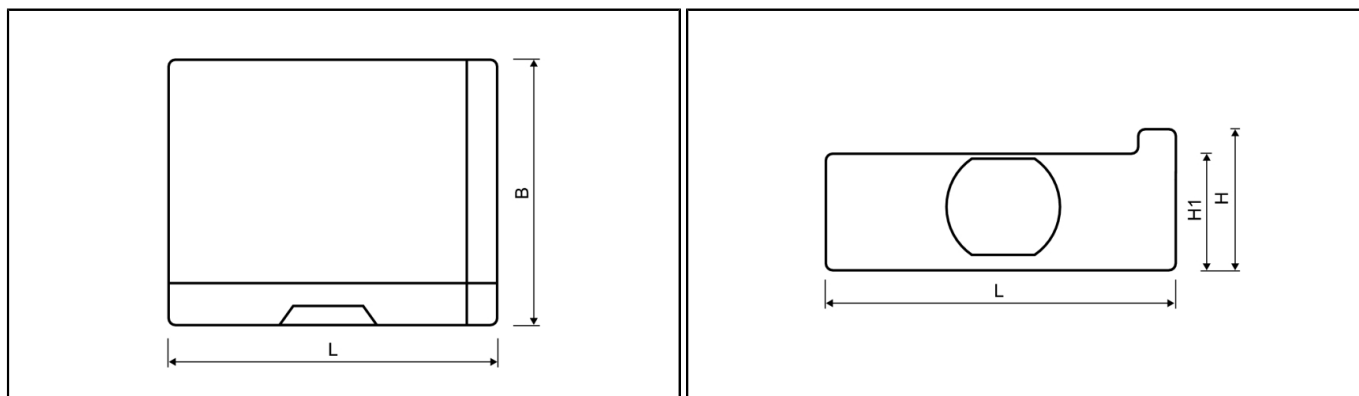
### OPTICAL INTERFACE

IZAR RADIO EXTERN	
Programmable values	Radio on/off, serial number, meter index, medium, due date

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### DIMENSIONS



IZAR RADIO EXTERN			
Length	L	mm	104
Width	B	mm	83
Height	H	mm	42
Height	H1	mm	34