DIEHL
Metering

# IZAR RDC MOTION

## RADIO | RECEIVER

### APPLICATION

The IZAR RDC MOTION is a radio receiver designed for walk-by or drive-by mobile meter reading.
Executing a meter reading tour, the received data is transmitted via Bluetooth® to the IZAR@MOBILE 2 software. The software can be installed on a handheld device or a tablet.
The IZAR RDC MOTION is equipped with a rechargeable battery and available in 868 and 434 MHz.

### FEATURES

- Wireless mobile meter reading with radio modes T1/C1/C2 up to a range of 400 m
- High speed Bluetooth® data transmission to handhelds
- Built-in powerful accumulator for a more than 16h operational time for uni-directional reading and up to 12h operation in 2way communication
- 3 LED indicators providing status information as Bluetooth® active, radio telegram received, device on/off and battery status
- Plastic housing with rubber side grips and belt clip
- Compatible with all the IZAR products and Diehl Metering integrated radios

## TECHNICAL DATA

| | IZAR RDC MOTION |
|---|---|
| Frequency | 868.950 MHz (uplink) / 869.525 MHz (downlink) or 434.475 MHz (uplink) / 433.500 MHz (downlink) |
| Meter interface | Wireless M-Bus EN13757, Mode T1/C1/C2 |
| Radio range | Up to 400 m depending on the environment |
| Bluetooth specification | 2.4 GHz, version 4.1, class 1.5 |
| Bluetooth range | Up to 10 m |
| Data transmission rate | Up to 2 Mbit/s |
| Rechargeable battery | 3.65V Lithium-ion 2850 mAh |

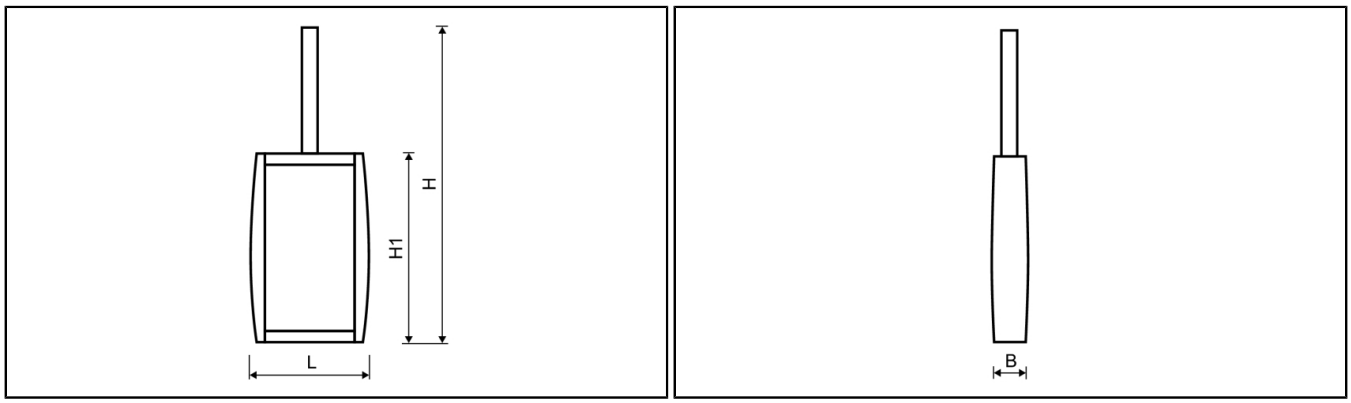
## REACH

Information pursuant to Article 33 (1) of Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006:
This product series contains articles with the following substances in a concentration of more than 0.1% weight by weight (w/w):
- Lead (CAS no.: 7439-92-1)
- Lead titanium trioxide (CAS no.: 12060-00-3)

## AMBIENT CONDITIONS

| | | IZAR RDC MOTION |
|---|---|---|
| Ambient operating temperature | °C | -20 ... +50 |
| Charging temperature | °C | 0 ... +45 |
| Storage temperature | °C | -20 ... +60 |
| Relative humidity | % | 10 ... 70 (non-condensing environment) |
| Protection class | IP | 51 |

## DIMENSIONS




| | | | IZAR RDC MOTION |
|---|---|---|---|
| Length | L | mm | 79 |
| Width | B | mm | 32 |
| Height | H | mm | 297 (868 MHz) / 290 (434 MHz) |
| Height | H1 | mm | 117 |

**Economic Actor Information**

Applicable regulation and legal obligations for products may change.

DIEHL METERING monitors applicable regulation to ensure their products comply at the date of placing on the market.

Each economic actor making products available on the market thereafter must independently keep informed about the current applicable regulation.

For questions, please contact:  metering-germany-info@diehl.com

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