

# IZAR RDC VEHICLE LIGHT

## RADIO RECEIVER

**DIEHL**  
Metering



### APPLICATION

IZAR RDC VEHICLE Light is a concentrator specifically designed for passive drive-by meter reading solutions.

IZAR RDC VEHICLE Light fits any type of vehicles (utility vehicle or other...) and reads autonomously, without driver intervention, every communicating multi-energy meter (water, thermal energy, gas, electricity...) equipped with the IZAR radio technology.

Connected to the vehicle power supply, IZAR RDC VEHICLE Light collects automatically the data and transfers them, via a mobile network, to a data storage server.

The data are then directly processed using the Diehl Metering IZAR@NET 2 or IZAR PLUS PORTAL management software.

### FEATURES

- ▶ Available in 868 or 434 MHz
- ▶ Automatic meters reading
- ▶ Full autonomous
- ▶ Data transmission to FTP or SFTP server
- ▶ Automatic data export via 2G/3G
- ▶ Remote or local configuration

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### OPERATING PRINCIPLE

IZAR RDC VEHICLE Light receives radio frames according to the EN 13757 standard and the OMS specification (Open Metering System), regardless of the measured fluid type (water, thermal energy, gas, electricity, temperature, humidity...).  
The collected data are transferred automatically to an FTP or SFTP data storage server via the mobile network (2G/3G).  
The Diehl Metering software solutions IZAR@NET 2 or IZAR PLUS PORTAL enable the processing and exploitation of this data.

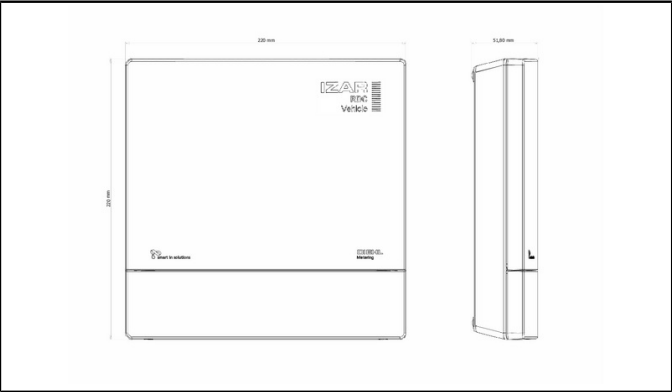
### TECHNICAL DATA

IZAR RDC VEHICLE Light		
Housing		Light grey with removable compartment
Frequency	MHz	868.95 (T1/C1 mode) or 434.475 (T1 mode only)
Communication protocols		OMS   wMBus [EN 13757-3/-4] PRIOS
Type of fluid measured		Multi-energy (water, thermal energy, gas, electricity, temperature, humidity...)
Antennas		Internal or external (SMA connectors)
Connectivity		Via cable
Network		2G/3G
Power supply	V (DC)	External connector for powering from the vehicle (12 ... 24 V DC)
Events		Temperature
Configuration		Locally or remotely with a dedicated software (Windows)

### AMBIENT CONDITIONS

IZAR RDC VEHICLE Light		
Ambient operating temperature	°C	-20 ... +70
Storage temperature	°C	-20 ... +70
Ambient humidity	%	10 ... 90
Protection class		IP 65 - outdoors installation possible

### DIMENSIONS



IZAR RDC VEHICLE Light		
Length	mm	220
Width	mm	220
Height	mm	51.80

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### 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](mailto:metering-germany-info@diehl.com)