

IZAR RDC VEHICLE

RADIO | RECEIVER

DIEHL
Metering



APPLICATION

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

IZAR RDC VEHICLE 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 collects automatically the data and transfer 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
- ▶ Fully 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 receives radio frames according to the EN 13757 standard and the OMS specification (Open Metering System), regardless of the type 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.

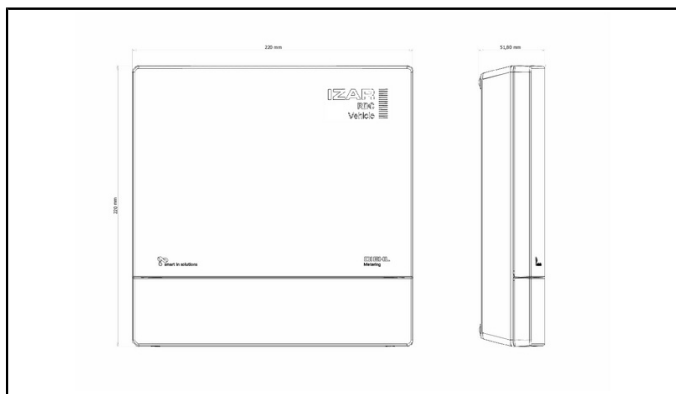
TECHNICAL DATA

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

DIMENSIONS



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