

# IZAR CENTER

## M-BUS MASTER

**DIEHL**  
Metering



### APPLICATION

IZAR CENTER is used for the remote reading of M-Bus and IZAR radio-linked meters. Easy to install, IZAR CENTER automatically communicates with the connected meters and memorises their data.

IZAR CENTER may be read either by a PC with an RS232, USB or LAN link or by an analog. Connected to a modem, IZAR CENTER sends the data to the FTP server, at programmable intervals. Furthermore, it is able to warn the user in real time of the occurrence of alarms by e-mail.

Connected to an IZAR RECEIVER M-BUS, it can read meters equipped with the IZAR radio.

### FEATURES

- ▶ Manages up to 25, 60, 120 or 250 M-Bus devices
- ▶ Standard version (repeater) or Memory (recording of information)
- ▶ Automatic transmission of meter data via internet connection using integrated LAN interface or external analog
- ▶ Automatic meter identification by searching the M-Bus network
- ▶ Reading and configuration via USB, RS232/modem or LAN interface
- ▶ Alarm functions including consumption and instantaneous values with notification (email)
- ▶ Compact housing with rail-mounting possibility

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### PRINCIPLE OF OPERATION

IZAR CENTER is sending out, via M-Bus, a request to the connected meters. This action could be initiated manually by the user or automatically by the IZAR CENTER. For automatic reading, the version of IZAR CENTER with memory is required to program meters reading intervals. The meter is responding to that request by transmitting its values to the IZAR CENTER. The meter data is stored in a built-in memory and can be transmitted automatically to a meter reading software (e.g. IZAR@NET 2 software).

### GENERAL

IZAR CENTER	
Interfaces	USB, Ethernet LAN, RS232 (for PC, modem), M-Bus output and M-Bus repeater input
Housing	Light-grey rail mount housing
M-Bus transmission speeds	300 / 600 / 1,200 / 2,400 / 4,800 / 9,600 baud; automatic detection of baudrate

#### Note:

IZAR CENTER can only be used in combination with the following modem:

Analog modem: Xmodus 1520S

Available on request. Please contact your Diehl Metering sales representative.

### TECHNICAL DATA

Dimensions (LxWxH) IZAR CENTER Set IP55 box: 450x300x142 mm

Dimensions (LxWxH) IZAR CENTER Set IP66 box: 400x300x210 mm

IZAR CENTER	
Power supply	V AC 110 ... 230
Frequency	Hz 50 ... 60
Weight	g 472
Protection class	IP 20
Ethernet LAN communication speed	kByte/s 1.5

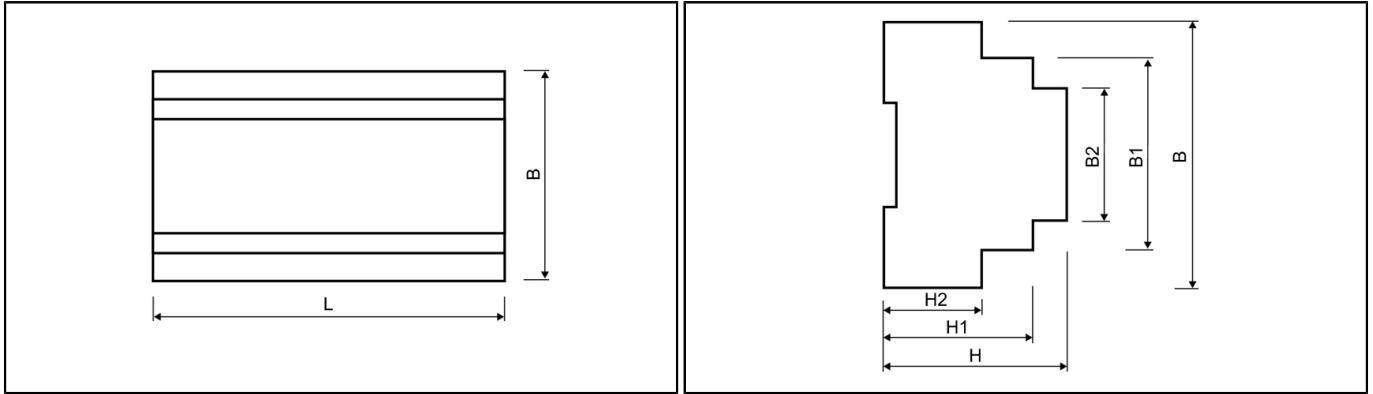
### AMBIENT CONDITIONS

IZAR CENTER	
Humidity	% 10 ... 90
Temperature range	°C -20 ... +70

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## DIMENSIONS



IZAR CENTER			
Length	L	mm	157.5
Width	B	mm	86
Width 1	B1	mm	59
Width 2	B2	mm	42
Height	H	mm	60
Height 1	H1	mm	49
Height 2	H2	mm	32

## VERSIONS

Memory	without	with
M-Bus level converter	•	•
M-Bus master functionality		•
M-Bus repeater functionality	•	
256 MByte integrated mass storage		•
Device list to manage up to 1,000 meters		•
Data ring memory for 500,000 device readouts		•
Programmable automatic meter readout		•
Parallel readout of memory and reading of meters		•
Setting of individual reading intervals and retries		•
Automatic transmission of meter data to FTP server		•
Use of alternate FTP server if upload fails		•
Alarm functionality with notification (Email with POP - before - SMTP)		•
Control M-Bus devices on alarm (e.g. switch a valve)		•