

# IZAR PORT PULSE

M-BUS | CONVERTER



## APPLICATION

The IZAR PORT PULSE offers the possibility to connect resource meters with pulse output to an M-Bus network (transformation of pulses to M-Bus protocol). It is suitable for all meter types with pulse transmitter, open collector or current loop (S0) output.

## FEATURES

- Two independent pulse counters
- Configuration via M-Bus interface or optical ZVEI interface using HYDRO-PORT software
- Physical unit and medium programmable for each input
- Pulse divisor programmable for each input
- Power supply via M-Bus, battery supply to continue pulse counting if M-Bus fails
- External power supply input for connecting meters with current loop (S0) output

PRINCIPLE OF OPERATION

The IZAR PORT PULSE consists of an electronic unit that collects meter information in the form of pulses. These pulse counts are converted into physical units. The data is transmitted via M-Bus protocol to a data concentrator (M-Bus Master IZAR CENTER).

GENERAL

| IZAR PORT PULSE |                                                                                                                                                   |
|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------------|
| Housing         | Dark-grey rail mount housing with fuse profile made of heat resistant plastic                                                                     |
| Cable length    | Max. 1.5 m for connecting pulse transmitter / open collector                                                                                      |
| Interfaces      | M-Bus output; input for external power supply; at a time 2 inputs for pulse (voltage-free) and current loop (S0) contacts; optical ZVEI interface |
| Configuration   | Via ZVEI or M-Bus and HYDRO-PORT software (free of charge)                                                                                        |

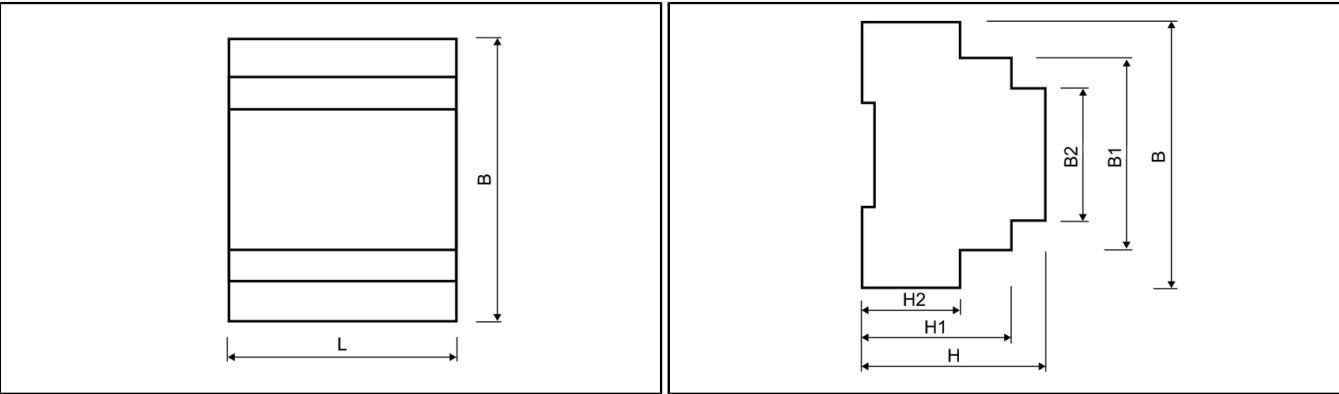
TECHNICAL DATA

| IZAR PORT PULSE   |                                    |          |
|-------------------|------------------------------------|----------|
| Power supply      | Via M-Bus or Lithium battery 3.6 V |          |
| Power supply (S0) | V DC                               | 24       |
| Pulse frequency   | Hz                                 | Max. 50  |
| Pulse width       | ms                                 | Min. 7.5 |
| Weight            | g                                  | 150      |
| Protection class  | IP 20                              |          |

AMBIENT CONDITIONS

| IZAR PORT PULSE   |    |           |
|-------------------|----|-----------|
| Humidity          | %  | 10 ... 70 |
| Temperature range | °C | 0 ... 60  |

DIMENSIONS



| IZAR PORT PULSE |    |    |    |
|-----------------|----|----|----|
| Length          | L  | mm | 71 |
| Width           | B  | mm | 86 |
| Width           | B1 | mm | 49 |
| Width           | B2 | mm | 32 |
| Height          | H  | mm | 60 |
| Height          | H1 | mm | 49 |
| Height          | H2 | mm | 32 |

### **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.

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