



Cold  
water

**GWF**



# HRI-Mei

High-resolution impulse generator  
for Meistream and Meistream Plus  
with standard pulser register

## Your benefits

- Load-free inductive scanning of the meter's pointer:  
**No influence on measuring behaviour**
- Can be retrofitted without damaging the calibration seal:  
**Easy and fast on-site installation**
- Electronic pulse generator:  
**No pulse bouncing**

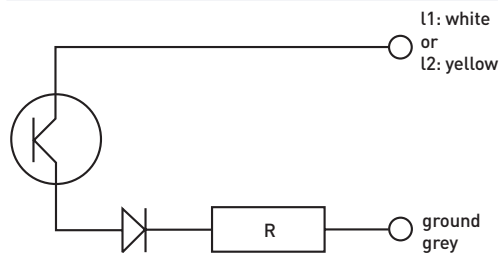
## Features

- Robust design
- Register is prepared for HRI-Mei recording
- Self-diagnostics
- Battery service life longer than 10 years
- Hermetically sealed body (IP 68)
- Flow direction detection
- Cable length 3 m

## Application

- Pulse recording for Meistream series bulk water meters with standard pulser register
- Industrial control applications with the FM-1D/K or FM-2D/K
- Control and regulation functions using control system or PLC

## Circuit diagram



## Pulse output mode

The HRI-Mei supports 3 different pulse output modes via 2 cables

Mode	Description	L1	L2
Mode B4 (Standard)	Used only for pulse collectors with uses one pulse input	Balanced pulses <sup>1)</sup>	Error status <sup>2)</sup>
Mode B3		Forward / backward pulses	Flow direction signal
Mode B2		Forward pulses	Backward pulses

<sup>1)</sup> Backward pulses are balanced by suppressing an identical number of forward pulses.

<sup>2)</sup> The output L2 is normally closed. The status signal changes if an internal error (processor) is detected in the HRI-Mei.

## Pulse output

Pulse value output	10, 100 or 1000 litre /pulse
Pulse width	32 ms
U <sub>max</sub>	48 V DC
U <sub>min</sub>	3 V DC
I <sub>max</sub>	0,2 A
P <sub>max</sub>	4 W

## Pulse value output

Meter sizes	DN 50...125 1 Pulse = ... Liter	DN 150...300 1 Pulse = ... Liter
Meistream and Meistream Plus	10 100	100 1000

## Temperature range

Operation	-10 ... +60 °C
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