



Reed-RD- and Opto-OD-Pulser

for Woltman hot water meter

Your benefits

- Conversion of an impulse signal to a Namur signal (4-20mA / 0-20mA) with the Opto-OD-Pulser:
High resolution for exact process control
- Can be retrofitted without damaging the calibration seal:
Easy and fast on-site installation

Application

- Pulse output for the connection to a heat meter
- Pulse output for process measuring, control and dosing functions

Features

- Different pulse values via two slots in the register (Reed) or two types of Opto-OD-pulsers resp.
- For Woltman hot water meter up to 130°C
- Cable length 3m

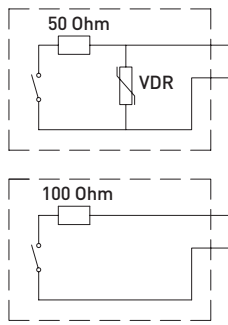
Application Reed-RD-Pulser

- For connection to heat meter: Reed RD 022
- For connection to remote reading and dosing systems: Reed RD 02
- Labeling of the pulse value of the relevant slot visible on the dial, from above

Application Opto OD Pulser

- For flow rate indication and control: Opto OD 02
- For connection to remote reading and dosing systems: Opto OD 04
- For potentially explosive atmospheres: Opto OD 02 / Ex
- Flow direction detection

Technical Data



Reed RD 02 / Reed RD 022

Control element

Reed switch, plug type

Contact protection Reed RD 02

Protective resistance

Connection voltage $U_{\max} = 48\text{VAC/DC}$

Switching current $I_{\max} = 0,2\text{A}$

Circuit breaking capacity $P_{\max} = 4\text{W}$

Contact protection Reed RD 022

Protective resistance

Connection voltage $U_{\max} = 125\text{VAC/DC}$

Switching current $I_{\max} = 0,035\text{A}$

Circuit breaking capacity $P_{\max} = 2\text{W}$

Pulse duration

Depending upon flow rate in water meter

Under no flow condition continuous contact possible

Protection class

IP68 (DIN 40050)

Temperature range

Ambient temperature $t_{\text{amb}} \leq 70^{\circ}\text{C}$

Medium temperature $t_{\text{m}} \leq 150^{\circ}\text{C}$

Cable connection

Length 3m



Pulse value Reed-RD-Pulser

Meter sizes		DN50 ... 125 1 pulse = ... litre	DN150 ... 300 1 pulse = ... litre
Woltman hot water meter	Standard	250	2'500
		100	1'000
	with special register	250	2'500
		25	250

Technical Data

Opto OD 02 / Opto OD 04

Control element

IR reflex light barrier acc. EN 50227, plug type

Specification

Supply voltage 8,2VDC

Current pick-up with reflection < 1,2mA

Current pick-up without reflection > 2,1mA

Integrated with the sensor, via an additional current level, is the forward and reverse characteristic 1,5mA

Pulse duration

Depending upon flow rate in water meter

Under no flow condition continuous contact possible

Protection class

IP68 (DIN 40050)

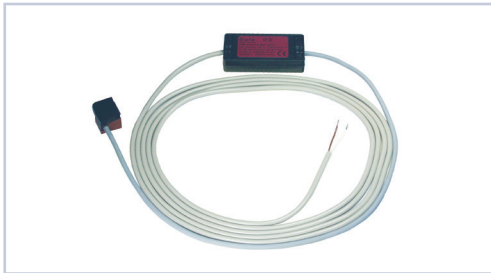
Temperature range

Ambient temperature $t_{amb} \leq 70^{\circ}\text{C}$

Medium temperature $t_m \leq 150^{\circ}\text{C}$

Cable connection

Length 3m



Pulse value Opto-OD-Pulser

Meter sizes		DN50 ... 125 1 pulse = ... litre	DN150 ... 300 pulse = ... litre
Woltman	Opto OD 02	1	10
hot water meter	Opto OD 04	10	100

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