

Opto-OD

Pulse generator

Your benefits

- High-resolution pulse generator:
  Instantaneous flow rate indication (m^3/h) in combination with the FM-xD/K (i. e. analog output signal 4 - 20 mA / 0 - 20 mA)
- Can be retrofitted without damaging the calibration seal:
  Easy and fast on-site installation

Applications

- Flow direction recognition (forward or backflow) by means of different signal levels
- Pulse transferral for forward and backward totalisation in combination with FM-1D/K
- Pulse output for process measuring, control and dosing functions

Properties

- Two different pulse values available (OD 01 or OD 03)
- Flow direction detection
- Flood proof (IP68)
- Cable length 3 m

GWF AG
Obergrundstrasse 119
6005 Lucerne, Switzerland

T +41 41 319 50 50
info@gwf.ch, www.gwf.ch

Technical support:
T +41 41 319 52 00, support@gwf.ch

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Technical Data

Manufacturer information	
Control element	
IR reflex light barrier acc. Namur EN 60947-5-6, plug type	
Specification	
Supply voltage	8,2 V DC
Current pick-up with reflection	‹ 1,2 mA
Current pick-up without reflection	› 2,1 mA
Integrated with the sensor, via an additional current level, is the forward and reverse characteristic 1,5 mA	
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} 70 °C
Medium temperature	t_m 50 °C
Cable connection	
Length	3 m

Pulse values Opto-OD-Pulser

Meter sizes		DN 50...125 1 Pulse = ...Liter	DN 150... 300 1 Pulse = ...Liter
WSDK, WPDK, Meistream, Meistream Plus	Opto OD 01	1	10
WSDK, WPDK, Meistream, Meistream Plus	Opto OD 03	10	100

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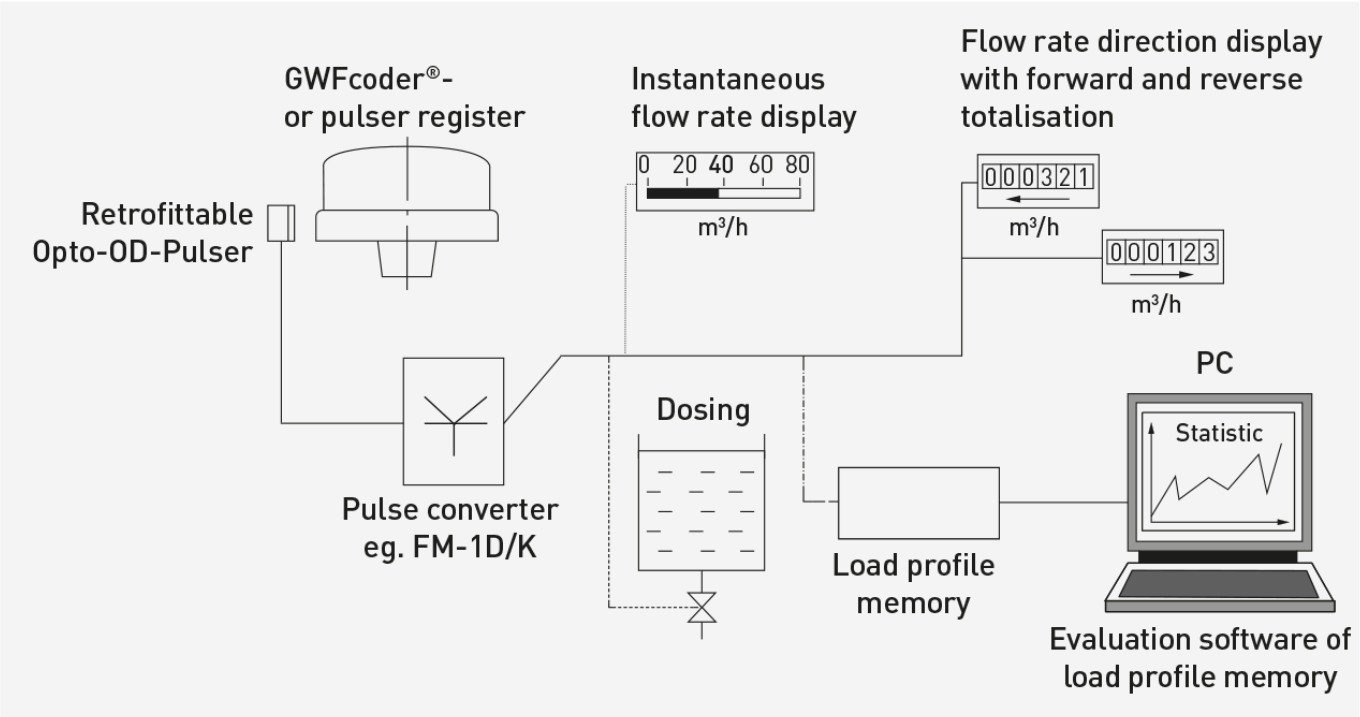
Application example with Opto-OD-Pulser

Pulse signals for processing in the management systems or other control and regulation functions.



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