



Opto-OD

Pulse generator



Your benefits

- Conversion of an impulse signal to a Namur signal (4 - 20 mA / 0 - 20 mA):
High resolution for instantaneous flow rate indication (m³/h) in combination with the FM-1D/K
- Can be retrofitted without damaging the calibration seal:
Easy and fast on-site installation

Properties

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

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

Technical Data

Manufacturer information	
Control element	
IR reflex light barrier acc. EN 50227, 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

Application example with Opto-OD-Pulser

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

