BASI

FLOWMETER   BFM200/201

- **Exceptional accuracy and reliability**
- **Pressure class PN 16 or 40 bar at max +90 °C**
- **Chemically resistant variant available**
- **Output (0)4 - 20mA or 0-10VDC**
- **RS232 interface available**
- **Local programmable LED display**
- **Operates with liquids with viscosity from 1 to 1000CST**
- **Compact design**
- **Protection class IP65**
- **Maintenance-free**

GENERAL DESCRIPTION

BFM200/201 is a programmable flow transmitter/monitor designed for use with low-viscose clear or translucent liquids, transmitting IR light. The operating principle is based on the liquid volume measurement through light-weight rotor, IR sensor, and sophisticated electronics converting flow rate into a standard linear output signal. An RS232 serial interface is also available. The material types used have an exceptional chemical and thermal (up to 90 °C) resistance. Other ranges except the standard 0.5…20 l/min flow range as well as 1% inter changeability are available upon request. BFM200 is equipped with a keyboard and a local 3-digit LED display for easy programming and flow monitoring and can be used both as a flow meter and transmitter suitable for water treatment and other applications.

TECHNICAL SPECIFICATIONS

Process   : Clear or translucent liquids transmitting IR light with viscosity 1 to1000 CST (1)
Range   : 0,5 to 20 lit/min (2)
Output   : (0)4-20 mA or 0-10VDC 3-wire
Power supply : 15 to 32 VDC
Consumption : Max 55mA
Line load   : 0 - 750Ω at 24VDC
Interface   : RS232, data transmission, ASCII, free
Protection   : IP65
Ambient temp : -10 to +65°C (electronic)
Process temp : -20 to+90 °C
Storage temp : -20 to 85°C
Pressure class: PN 12 (12 bar)

PERFORMANCE

Measurement Accuracy   :±0,8%
Display Accuracy   :±0.1%
Reproducibility   : ±0.2%
Temperature effect   : ± 0,01% of range
Display   : 3 digit LED, 14mm
Display resolution   : 0,1
Calibration   : Through keyboard
Keyboard   : 2 membrane keys
EMC   :EN50081-1, EN50082-2, 89/336/EEC

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MATERIALS   BFM200   BFM201

	BFM200	**BFM201**
Wetted parts:	POM, PVDF, Viton®, Vectra®, SS316	PVDF, Viton®, Vectra®, SS316
Seals:	EPDM, epoxy	PTFE
Case material:	ABS/PC plastic	ABS/PC plastic
Mounting:	Free (3)	Free (3)
Process con. :	2 x G1/2" , male	2 x G3/8", male
Weight :	270g	250g

INSTALLATION

Electric connection : 4 pin connector M12 (4)
Process connection: 2 x G1/2" (2 x G3/8", male 201)
Housing   : IP65
Mounting   : Directly in pipe
Size   : 110x92x60 mm

(1) Liquid medium must be compatible with wetted part and seal materials!
(2) Other ranges are available on request.
(3) Radial, axial, and DIN-rail mounting accessories for 80x80x60 mm box can be ordered separately (see 'Accessories').
(4) On top of case 'H'; on the right side of cases 'V

ORDER INFORMATION
BFM20x

VARIANT	RANGE	INTERFACE
0 Standard	1H Horizontal flow	X None
1 Chemically (5) Resistant	V1 Vertical flow Up to down	A RS232
	V2 Vertical flow Down to up	

Other ranges are available on request
(5) Limited with wetted part and seal material resistance!