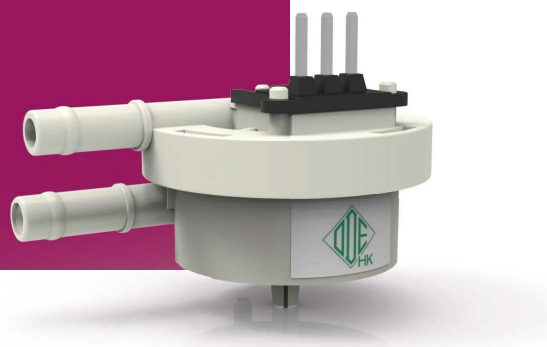


AB32 SERIES

Flowmeters

AB32 series flowmeters are reliable products for the measurement of the flowrate in the circuit. They can work with low pressure fluid at ambient temperature. Different models are available for different flowrate ranges. The different connections orientations allow to install the flowmeter in different circuits.



TECHNICAL DATA

CONNECTOR	Ø 6 mm inlet / outlet
PRESSURE	-1 ÷ 0.3 bar
FLUIDS	water
OPERATING TEMPERATURE	-10°C ÷ +65°C
MOUNTING	Horizontal position
NOZZLE SIZE	Ø 1; 1.2; 1.8; 2; 3 mm
FLOW RATE	see table
MEASURING ACCURACY	± 5% (reference value valid for ideal testing conditions)
CONNECTOR	3.96mm with 3 Pin
SUPPLY VOLTAGE	3.8 ÷ 20 V DC
CONSUMPTION	5 mA max
SIGNAL VOLTAGE	Taken from Ground
LEAKAGE CURRENT	10 µA max
SIGNAL LOAD	20 mA max
SIGNAL	Square wave
DUTY CYCLE	50%

MATERIALS

FLOW METER BODY	PBT 30% GF
SEAL	Silicone
TURNER	PP
MAGNET	SrFeO

CODE	NOZZLE [mm]	PULSES/ LITRE	OPTIMUM WORKING RANGE [l/min]	PRESSURE DROP [bar]
AB32-S2IPO10C-11R	Ø 1	2382	0,15 - 0,25	0,48
AB32-S2IPO12C-11R	Ø 1.2	1925	0,20 - 0,35	0,42
AB32-S2IPO18C-11R	Ø 1.8	1315	0,35 - 0,45	0,25
AB32-S2IPO20C-11R	Ø 2	1250	0,40 - 0,50	0,21
AB32-S2IPO30C-11R	Ø 3	800	0,40 - 0,80	0,15

- The values indicated are obtained on the test bench in ideal conditions with connectors orientation of 0° (...-11R).
- For different orientations connections replace -11R with the desired code. Please refer to next page.
- Due to differences of medium, circuit or installation of the product these values can be slightly different.
- Calibration of number of pulses/litre is recommended for different installations.

