## **Fixed PFA Turbine flowmeter**

The PFA flow sensor has low flow sensing capabilities in a wide range of applications, and is suitable for clear- ,opaque, neutral, corrosive and aggressive liquids including fuel. An ultra light-weight turbinerotor follows the fluctuation of flow very accurate and generates a high resolution IR reflected digital output signal. In either flow controlled or monitoring applications, the PFA flowsensor can measure flow rates and totalize.

Characteristics:

Turbine flowsensor with high resolution output Flow Measuring by revolutionary IR turbinerotor reflection PFA / Teflon for high chemical and corrosive resistance High accuracy and repeatability ("swiss made") Suitable for opaque liquids PFA meet all the requirements of the US Pharmacopeia Class VI BSE/TSE certificate available

All wetted parts are made of Teflon®PFA with ruby bearing

Options:

Programmable K-factor Flow Alarm level Batchfuction with preset

Model	0045	0085	0125
Inner diameter in mm	4,5	8,5	12,5
Flow range	0,06 - 2 L/min	0,5 - 20 L/min	1,5 - 40 L/min
Accuracy	1% of reading	1% of reading	1% of reading
Repeatability	< 0,15 %	< 0,15 %	< 0,15 %
Wetted parts	PFA / Ruby	PFA / Ruby	PFA / Ruby
Tube connection thread/hosebarb	1∕₃ " NPT / 7 mm	1⁄4 " NPT / 12 mm	1⁄2 " NPT-BSP / -
Tube length in mm	52	60	72
Liquid temperature in °C	-20 tot +80	-20 tot +80	-20 tot +80
Max. pressure at 20° C in MPa	2 (20 Bar)	1,5 (15 Bar)	1 (10 Bar)
Viscosity in cSt.	0,8 - 10	0,8 - 10	0,8 - 10
Resolution in microL/puls	9	164	500
K factor (water) in pulse/Litre	110.000	6.100	2.000
Power supply	5 - 30 Vdc	5 - 30 Vdc	5 - 30 Vdc
Output signal	5 - 30 V sq. wave	5 - 30 V sq. wave	5 - 30 V sq. wave
Power consumption	34 mA at 5 V	34 mA at 5 V	34 mA at 5 V
Electrical cable lenght	PVC 1 meter	PVC 1 meter	PVC 1 meter
Other Specs on request			

