



## PVDF Turbine flow meter

### Outstanding performance in various low flow measurement applications

This flow meter has low flow capabilities in a wide range of flow processes and is mainly developed to perform an accurate and repeatable flow measurement.

Distinguished results in measuring chemicals, fuel, additives and more.

These devices are suitable for long-term measurements without losing accuracy.

#### Characteristics:

- High resolution square wave output
- Flow measuring with revolutionary Infra-Red turbine rotor reflection
- PVDF for high chemical and corrosive resistance
- Suitable for opaque liquids
- PVDF meet all the requirements of the US Pharmacopeia Class VI
- BSE/TSE certificate available
- Tube can be sterilized up to 140°

All wetted parts are made of PVDF with Ruby bearing and Viton or EPDM sealing if appropriate.

Patent US5388466

#### Options:

- Programmable K-factor
- Flow Alarm level
- Batch function with preset

Model	0045	0085
Inner diameter in mm	4,7	9,3
Flow range	0,03 – 2 L/min	0,3 – 20 L/min
Accuracy	1% of reading	1% of reading
Repeatability	< 0,15 %	< 0,15 %
Wetted parts	PVDF / Ruby	PVDF / Ruby
Tube connection	7 mm hose barb	12 mm hose barb
Tube length in mm	L max 53	L max 62
Liquid temperature in °C	-20 to +80	-20 to +80
Max. pressure at 20°C in MPa	2.5 (25 Bar)	2,0 (20 Bar)
Viscosity in cSt.	0,8 - 10	0,8 – 10
K factor (water) in pulse/Liter	100.000	4800
Power supply	5 - 30 Vdc	5 - 30 Vdc
Output signal	5 - 30 V square wave	5 - 30 V square wave
Power consumption	34 mA at 5 V	34 mA at 5 V
Electrical cable length	PVC 1 meter	PVC 1 meter

Note:  
All data are based on water and under ideal laboratory test conditions.  
The specification can vary among the different local process conditions.