



## Turbine Flowsensor for Gas Applications

TM-MCM 100  
TM-MCM 100-B

- Our most affordable gas flow sensors and meters
- Work well with mixed gases
- Advanced turbine design maintains excellent accuracy and repeatability
- Several configurations

For OEM or laboratory applications, where an affordable flow sensor needs to be installed, the Model TM-MCM-100 is an excellent choice. Its time-proven turbine design will keep measuring accurately for years with little or no maintenance. It features a 0- 5VDC output standard. A power adapter or cable assembly (below) is required for operation.

The Model 110 Flo-Meters are great for laboratory benchtop gas applications. An integrated 3 1/2 digit flow rate display informs the user of actual flow, and the 0-5VDC output can be interfaced to a data acquisition system.



### Specifications

Output signal	0-5 VDC, adjustable $\pm 20\%$ (typical)
Power supply	
<b>TM-MCM 100</b>	12,5 VDC $\pm 2$ VDC controlled, 30 mA
<b>TM-MCM 100-B</b>	3-6 VDC, 50 mA
Pressure limit	2,5 bar max.
Temperature range	0-50°C
Temperature sensitivity	$\pm 0,2\%$ /°C
Accuracy	$\pm 3\%$ F.S.
Linearity	$\pm 3\%$ F.S.
Reliability	$\pm 0,5\%$ at 50% to 100 % of max. Flowrate
Dimensions	
<b>TM-MCM 100-2 bis 100-8</b>	59,7 x 41,9 x 38,1 mm
<b>TM-MCM 100-9</b>	upon request
<b>TM-MCM 100-10 bis 100-14</b>	upon request
Wetted parts	40 % polyphenelene Sulphide, Glas window, Stainless bearing, Saphire, Viton O-Ring, white epoxy coating
Fittings	1/8" for Flowrate up to 100 ml/min. 1/4" for Flowrates over 100 ml/min. to 2 l/min. 3/8" for Flowrates over 2 l/min.

### Ranges

Model	Range	Model	Range
TM-MCM-100-3 .....	20 - 100 ml/min	TM-MCM-100-9 .....	2 - 10 l/min
TM-MCM-100-4 .....	40 - 200 ml/min	TM-MCM-100-10 .....	4 - 20 l/min
TM-MCM-100-5 .....	100 - 500 ml/min	TM-MCM-100-11.....	10 - 50 l/min
TM-MCM-100-6 .....	200 - 1000 ml/min	TM-MCM-100-12 .....	20 - 100 l/min
TM-MCM-100-7 .....	0,4 - 2,0 l/min	TM-MCM-100-13 .....	40 - 200 l/min
TM-MCM-100-8 .....	1,0 - 5,0 l/min	TM-MCM-100-14 .....	100 - 500 l/min

All specifications are subject to change without notice



# TECHMARK

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