



FLOCALTEC

FLOW CALIBRATION TECHNOLOGIES

FCT-M2500 PROVING SYSTEMS



Flocaltec Flow Measurement
Full service provider of high-precision
flow measurement

PROVING SYSTEMS



INNOVATIONS:

- PULSATION FREE MASTER METERS
- LOWEST UNCERTAINTIES CALCULATED ACCORDING INTERNATIONAL STANDARDS
- FASTEST CALIBRATION (Less than 60 seconds per calibration point)
- MULTIPLE SENSORS (LF and HF) SIMULTANEOUS
- INTEGRATED FILTER ELEMENTS TO MAINTAIN THE HIGH LEVEL OF PERFORMANCE
- CALIBRATION AND RECALIBRATION BY MEANS OF SMART TRAVELING REFERENCE METERS, TRACEABLE TO RECOGNIZED METROLOGICAL INSTITUTES
- PLUG AND PLAY
- REMOTE OPERATION





GENERAL SPECIFICATIONS METRIC:

- Flow Rates M2500	2 – 2500 m ³ /h TOTAL UNCERTAINTY < 0,25% 0,25 – 2 m ³ /h TOTAL UNCERTAINTY < 0,5%
- Flow Rates M1000	2 – 1000 m ³ /h TOTAL UNCERTAINTY < 0,25% 0,25 – 2 m ³ /h TOTAL UNCERTAINTY < 0,5%
	Other and lower flow rates on request
- Repeatability	< 0,1%
- Dimensions (L x W x H)	1150 x 1350 x 1500 mm.
- Weight	650 kg.
- Operating temperature range	10 – 30 °C (larger range on request)
- Storage temperature range	-25 – 60 °C (larger range on request)
- Differential pressure sensor	0 – 55 mbar (larger range on request)
- Atmospheric pressure sensor	950 – 1050 mbar (larger range on request)

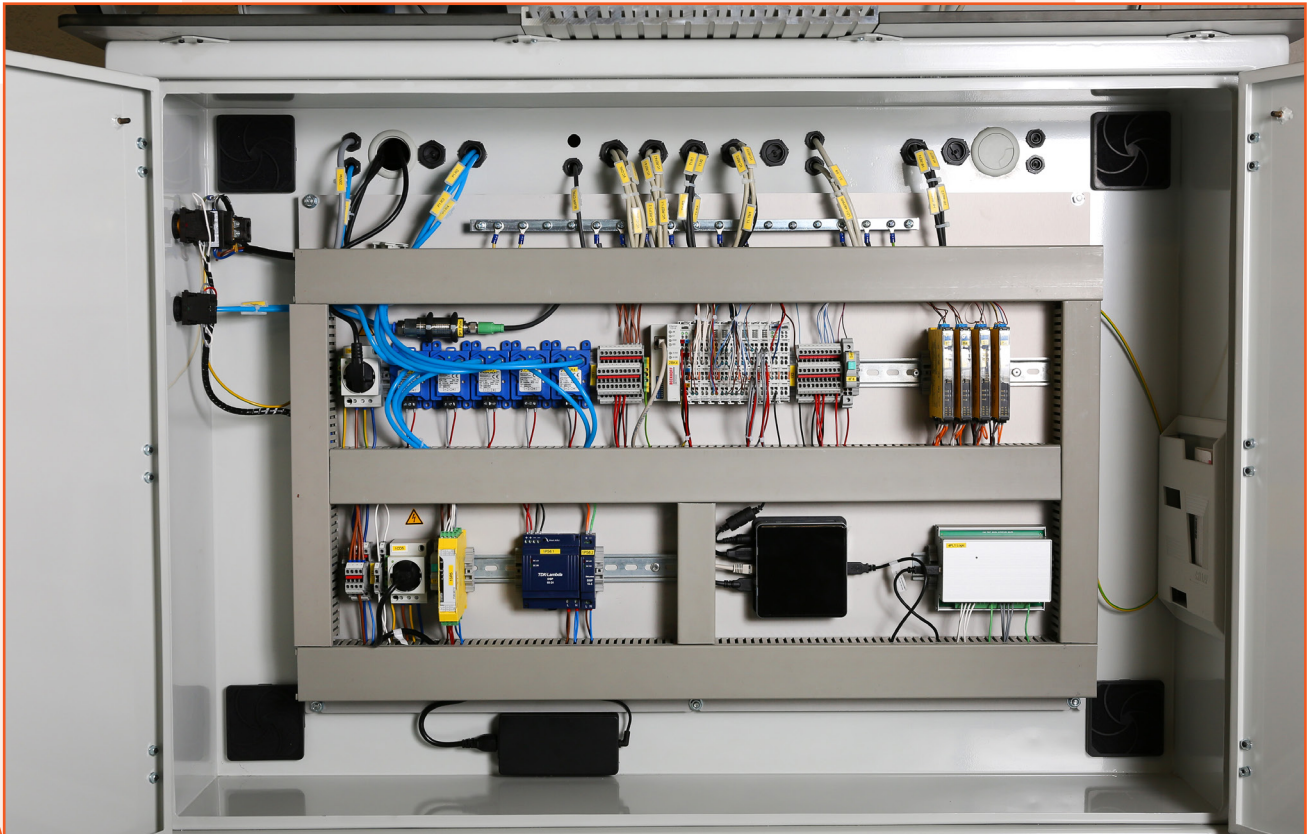
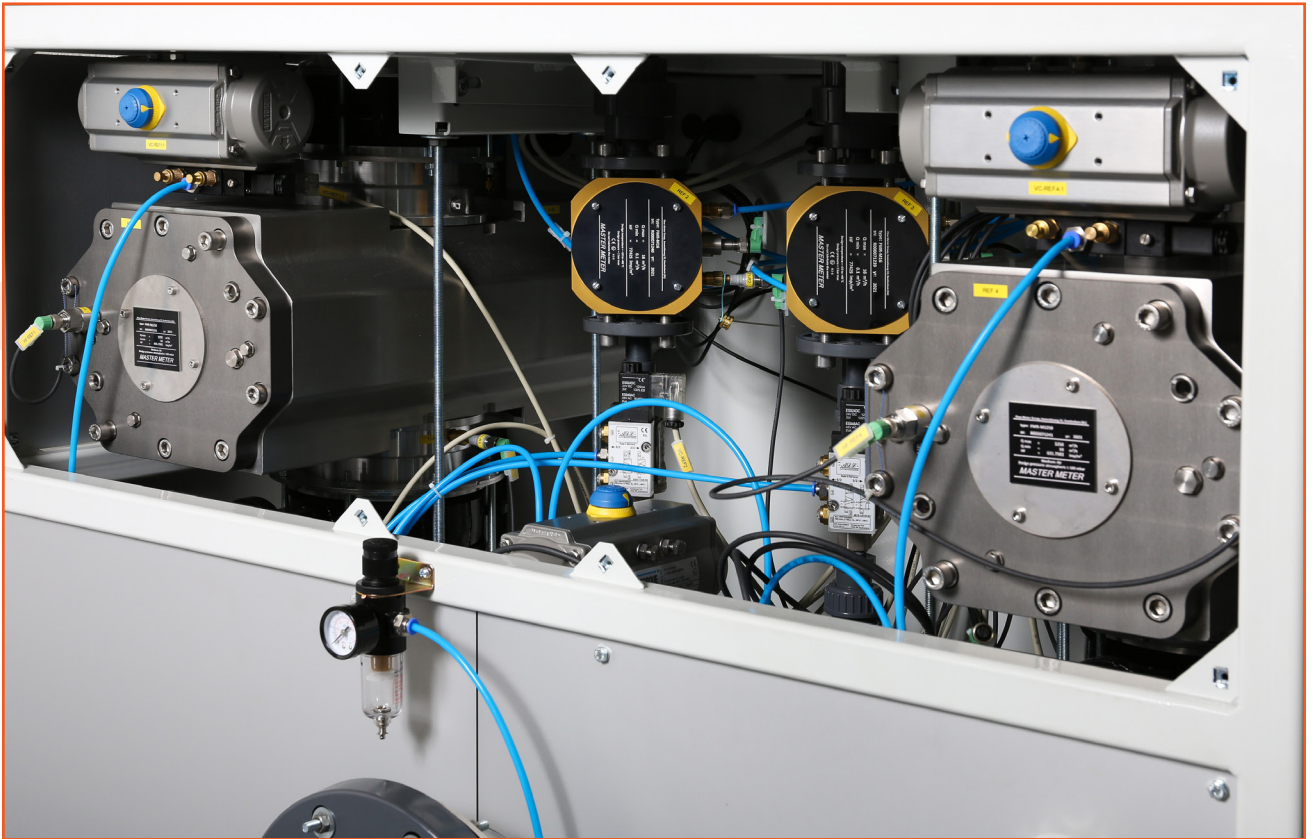
GENERAL SPECIFICATIONS IMPERIAL:

- Flow Rates 88M	35 – 88000 cfh TOTAL UNCERTAINTY < 0,3% 9 – 35 cfh TOTAL UNCERTAINTY < 0,6%
- Flow Rates 35M	35 – 35000 cfh TOTAL UNCERTAINTY < 0,3% 9 – 35 cfh UNCERTAINTY < 0,6%
	Other and lower flow rates on request
- Repeatability	< 0,1%
- Dimensions (L x W x H)	3.8 ft x 4.45 ft x 7.95 ft
- Weight	1430 lbs
- Operating temperature range	50 – 86 °F (larger range on request)
- Storage temperature range	-13 – 140 °F (larger range on request)
- Differential pressure sensor	0 – 0.80 psi (larger range on request)
- Atmospheric pressure sensor	13.5 – 15.5 psi (larger range on request)

OTHER SPECIFICATIONS:

- AC Power M2500/88M 11 kW, 380 Vac, 50/60Hz
- AC Power M1000/35M 7.5 kW, 380 Vac, 50/60Hz
- PC and software
NUC or similar with Intel Core I series
4GB DDR3-1600 RAM
300GB Solid State Drive
Screen 22" LCD High Resolution
Keyboard (English version), mouse
Ethernet Port 1Gbps
Windows 10 or higher
Remote Access Software
- Control Software
User friendly interface
Real time uncertainty calculations
Overview uncertainty contributions
Configurable test reports
Selectable metric / imperial units
- Sensor box Meter Under Test up to 4 signals (LF or HF)







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