



FLOCALTEC

FLOW CALIBRATION TECHNOLOGIES

FCT-M10.000 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 M10.000	2 – 10.000 m ³ /h	TOTAL UNCERTAINTY < 0,25%
	0,25 – 2 m ³ /h	TOTAL UNCERTAINTY < 0,5%
- Flow Rates M5000	2 – 5000 m ³ /h	TOTAL UNCERTAINTY < 0,25%
	0,25 – 2 m ³ /h	TOTAL UNCERTAINTY < 0,5%
- Flow Rates M2500	2 – 2500 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)	2150 x 1150 x 1380 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 350M	35 – 350.000 cfh	TOTAL UNCERTAINTY < 0,25%
	9 – 35 cfh	TOTAL UNCERTAINTY < 0,5%
- Flow Rates 175M	35 – 175.000 cfh	TOTAL UNCERTAINTY < 0,25%
	9 – 35 cfh	UNCERTAINTY < 0,5%
- Flow Rates 88M	35 – 88.000 cfh	TOTAL UNCERTAINTY < 0,25%
	9 – 35 cfh	UNCERTAINTY < 0,5%
	Other and lower flow rates on request	
- Repeatability	< 0,1%	
- Dimensions (L x W x H)	7 ft x 3.8 ft x 4.5 ft	
- 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:

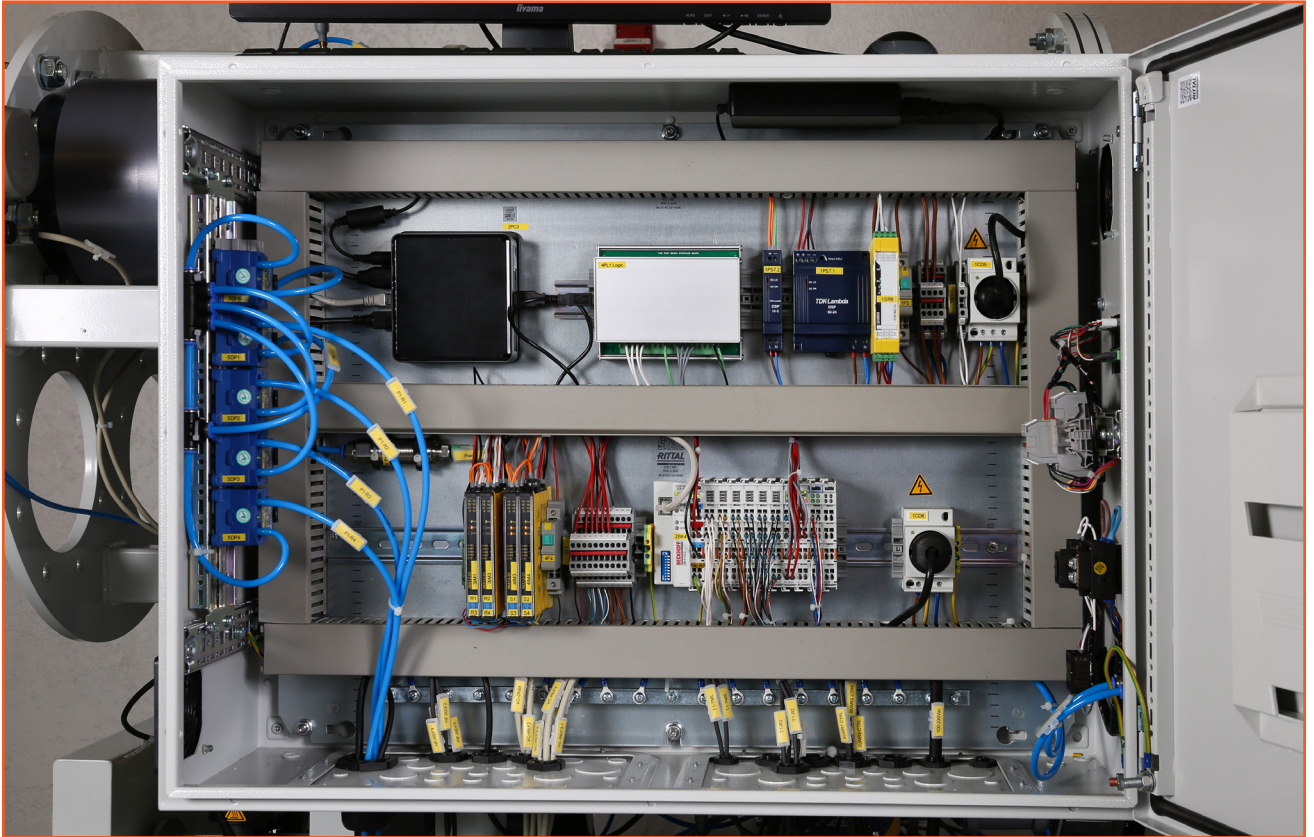
- AC Power M10.000/350M 30 kW, 380 Vac, 50/60Hz
- AC Power M5000/175M 15 kW, 380 Vac, 50/60Hz
- AC Power M2500/88M 7.5 kW, 380 Vac, 50/60Hz

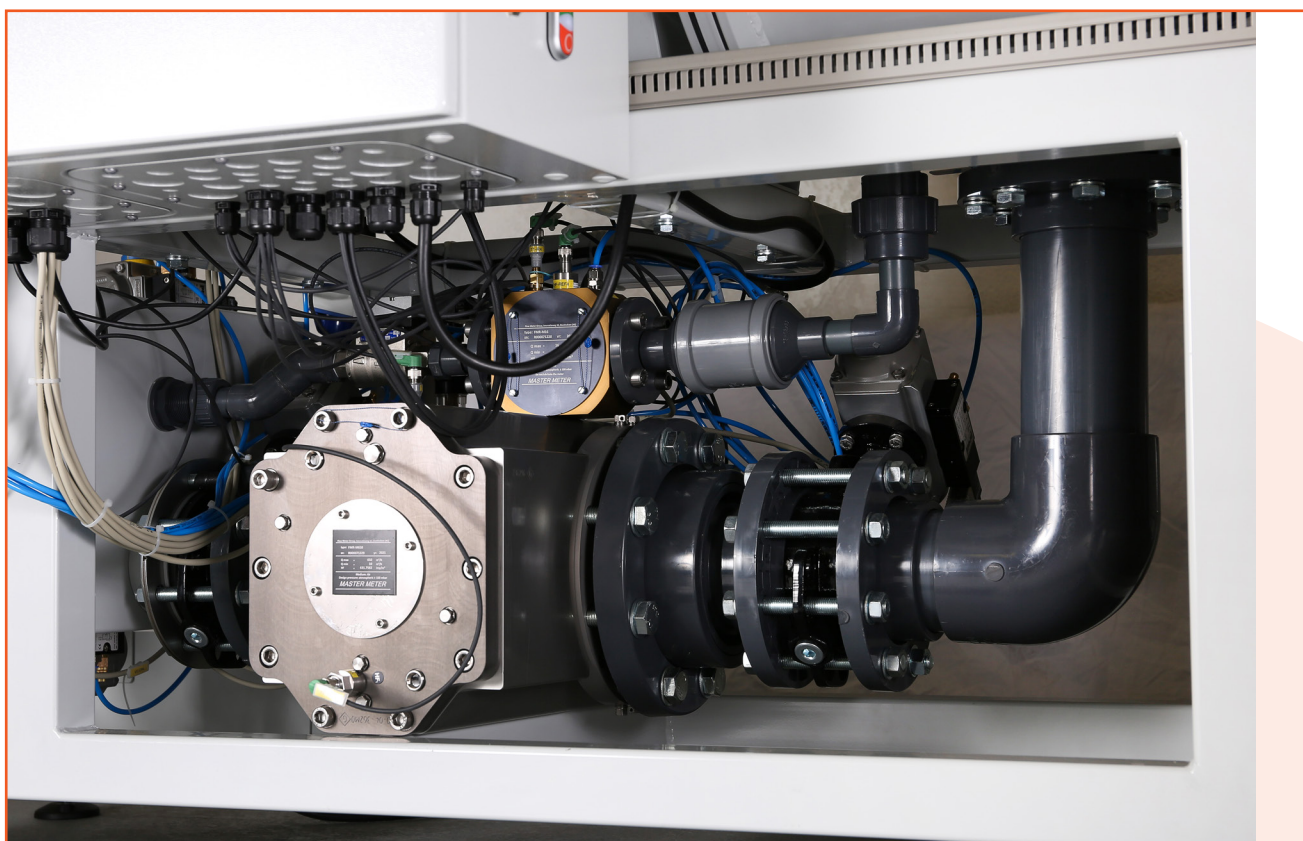
- PC and software NUC or similar with Intel Core I series
4GB DDR3-1600 RAM
300GB Solid State Drive
Screen 22" LCD High Resolution
Keyboard (English version), mouse
Ethernet Port 1Gbps
Windows 10 or higher
Remote Access Software

- 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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