TMCO PROVERS

LARGE VOLUME PROVERS

Full service provider of high-precision flow measurement

FEATURING

- Pulsation free master meters
- Lowest uncertainties calculated according to international standards
- Fastest calibration (less than 60 seconds per calibration point)
- Multiple sensors (LF and HF) simultaneous
- Integrated filter elements help to maintain a high level of performance
- Calibration and recalibration by means of smart traveling reference meters, traceable to recognized metrological institutes
- Plug and Play
- Remote operation
- Optional ISO 17025 certification

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GENERAL SPECIFICATIONS

Flow Rates 350M (FCT-10000)	35 – 350,000 cfh (2 – 10000 m^3/h) 9 – 35 cfh (0.25 – 2 m^3/h)	TOTAL UNCERTAINTY < 0.25% TOTAL UNCERTAINTY < 0.5%
Flow Rates 175M (FCT-5000)	35 – 175,000 cfh (2 – 5000 m^3/h) 9 – 35 cfh (0.25 – 2 m^3/h)	TOTAL UNCERTAINTY < 0.25% TOTAL UNCERTAINTY < 0.5%
	Other and lower flow rates on request	
Repeatability	< 0.1%	
Dimensions (LxWxH)	7' x 3.8' x 4.5' (2150 x 1150 x 1380 mm)	
Weight	1430 lbs (650 kg)	
Operating temperature range	50 – 86 °F (10 – 30 °C)	larger range on request
Storage temperature range	-13 – 140 °F (-25 – 60 °C)	larger range on request
Differential pressure sensor	0 – 0.80 psi (0 – 55 mbar)	larger range on request
Atmospheric pressure sensor	13.5 – 15.5 psi (950 – 1050 mbar)	larger range on request

OTHER SPECIFICATIONS

AC Power M10000/350M	44kW, 380 Vac, 50/60Hz
AC Power M5000/175M	22kW, 380 Vac, 50/60Hz
PC and software	NUC or similar with Intel Core I series 8GB 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 imperial / metric units
Sensor box Meter Under Test	up to 4 signals (LF or HF)

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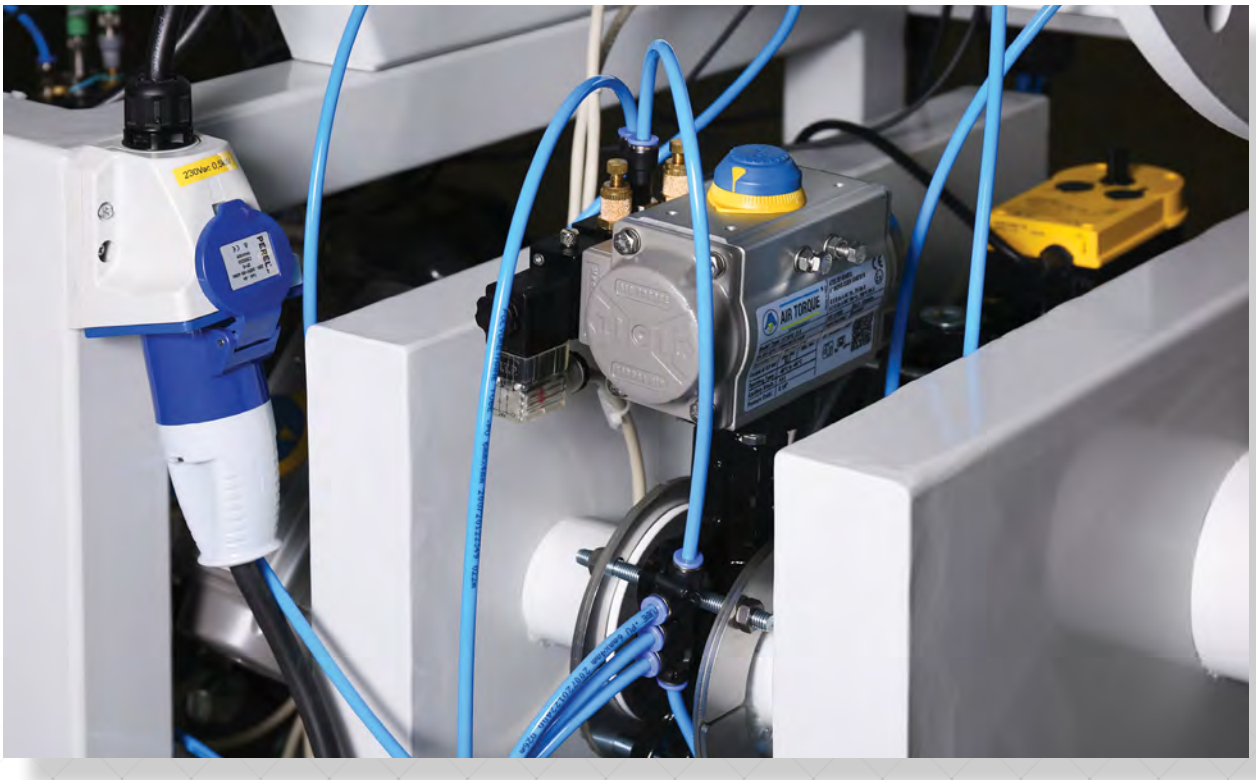

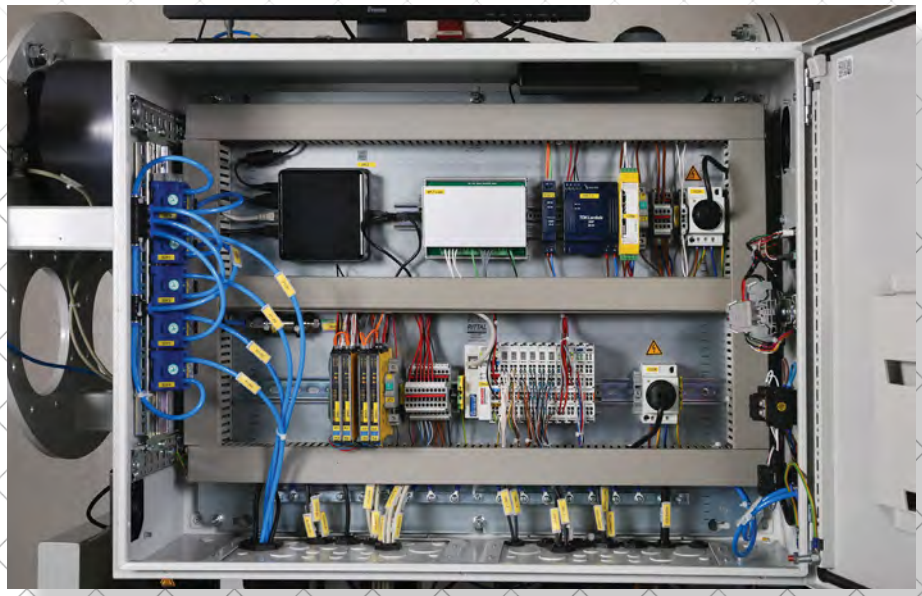

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