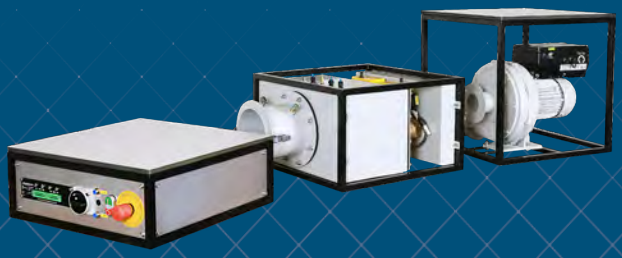
TMCO PROVERS

CALCUBE MODULAR PROVING SYSTEMS



A transportable prover that can be lifted and transported by one person. Three light weight detachable cubes when combined, function as a fully operational prover.

FEATURING

- Three disconnectable cubes of less than 73 lbs (< 33 kg)
- Maximum dimensions per cube (LxWxH) 20” x 20” x 20” (50 x 50 x 50 cm)
- Dimensions complete CalCube (LxWxH) 40” x 20” x 20” (100 x 50 x 50 cm)
- 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
- Multiple mounting possibilities (van, truck, table, mobile)
- Optional ISO 17025 certification

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GENERAL SPECIFICATIONS

Flow Rates 10M (FCT-250)	70 – 10000 cfh (2 – 250 m^3/h) 0.25 – 2 m^3/h (9 – 70 cfh)	TOTAL UNCERTAINTY < 0.3% TOTAL UNCERTAINTY < 0.5%
	Lower flow rates on request	
Repeatability	< 0.1%	
Dimensions combined (LxWxH)	40” x 20” x 20” (1000 x 500 x 500 mm)	
Weight per cube	< 73 lbs (< 33 kg)	< 55 lbs (<25 kg) on request
Weight complete prover	<165 lbs (< 75 kg)	
Operating temperature range **Storage temperature range**	50 – 86 °F (10 – 30 °C) -13 – 140 °F (-25 – 60 °C)	larger range on request larger range on request
Differential pressure sensor **Atmospheric pressure sensor**	0 – 0.80 psi (0 – 55 mbar) 13.5 – 15.5 psi (950 – 1050 mbar)	larger range on request larger range on request

OTHER SPECIFICATIONS

AC Power	1.1kW, 100 – 240Vac, 50/60Hz
Laptop and software	Intel Core I series 8GB DDR3-1600 RAM 300GB Solid State Drive 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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CALCUBE MOBILE PROVING SYSTEMS

QUICK FIX INLET ADAPTERS

PULSATION FREE MASTER METERS

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CALCUBE MOBILE PROVING SYSTEMS

INTEGRATED FILTER ELEMENTS HELP TO MAINTAIN A HIGH LEVEL OF PERFORMANCE

TMCO THE MEASUREMENT COMPANY

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