TMCO PROVERS

# COMPACT PROVING SYSTEMS

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** 88M (FCT-2500) | 35 – 88,000 cfh (2 – 2500 $m^3/h$)<br>9 – 35 cfh (0.25 – 2 $m^3/h$) | TOTAL UNCERTAINTY < 0.25%<br>TOTAL UNCERTAINTY < 0.5% |
| **Flow Rates** 35M (FCT-1000) | 35 – 35,000 cfh (2 – 1000 $m^3/h$)<br>9 – 35 cfh (0.25 – 2 $m^3/h$) | TOTAL UNCERTAINTY < 0.25%<br>TOTAL UNCERTAINTY < 0.5% |
| | Other and lower flow rates on request | |
| **Repeatability** | < 0.1% | |
| **Dimensions** (LxWxH) | 3.8' x 4.45' x 7.9' (1150 x 1350 x 1500 mm) | |
| **Weight** | 1430 lbs (650 kg) | |
| **Operating temperature range**<br>**Storage temperature range** | 50 – 86 °F (10 – 30 °C)<br>-13 – 140 °F (-25 – 60 °C) | larger range on request<br>larger range on request |
| **Differential pressure sensor**<br>**Atmospheric pressure sensor** | 0 – 0.80 psi (0 – 55 mbar)<br>13.5 – 15.5 psi (950 – 1050 mbar) | larger range on request<br>larger range on request |

## OTHER SPECIFICATIONS

| | |
|---|---|
| **AC Power 88M (FCT-2500)**<br>**AC Power 35M (FCT-1000)** | 11kW, 380 Vac, 50/60Hz<br>7.5kW, 380 Vac, 50/60Hz |
| **PC and software** | NUC or similar with Intel Core I series<br>8GB DDR3-1600 RAM<br>300GB Solid State Drive<br>Screen 22" LCD High Resolution<br>Keyboard (English version), mouse<br>Ethernet Port 1Gbps<br>Windows 10 or higher<br>Remote Access Software |
| **Control Software** | User friendly interface<br>Real time uncertainty calculations<br>Overview uncertainty contributions<br>Configurable test reports<br>Selectable imperial / metric units |
| **Sensor box Meter Under Test** | up to 4 signals (LF or HF) |

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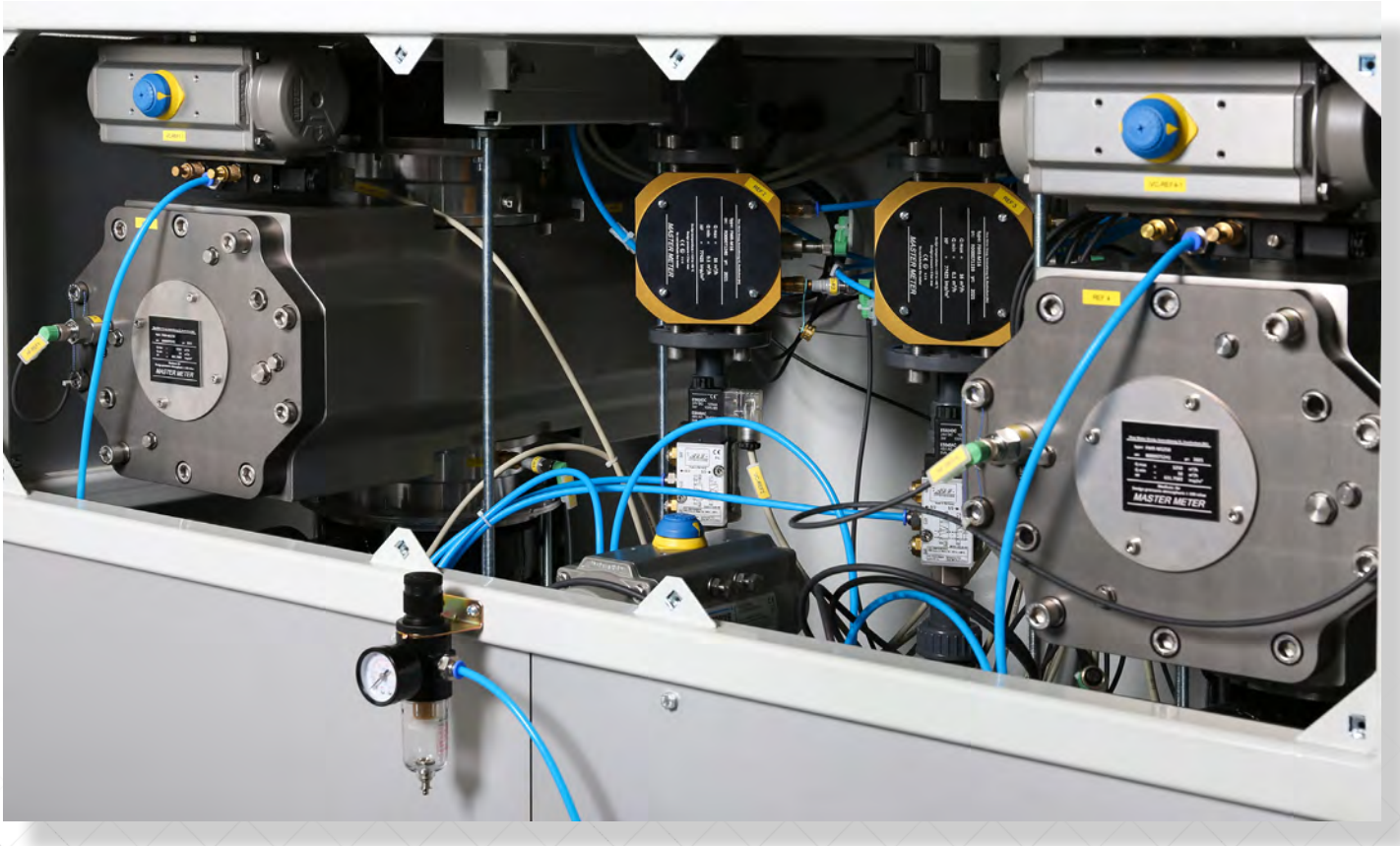


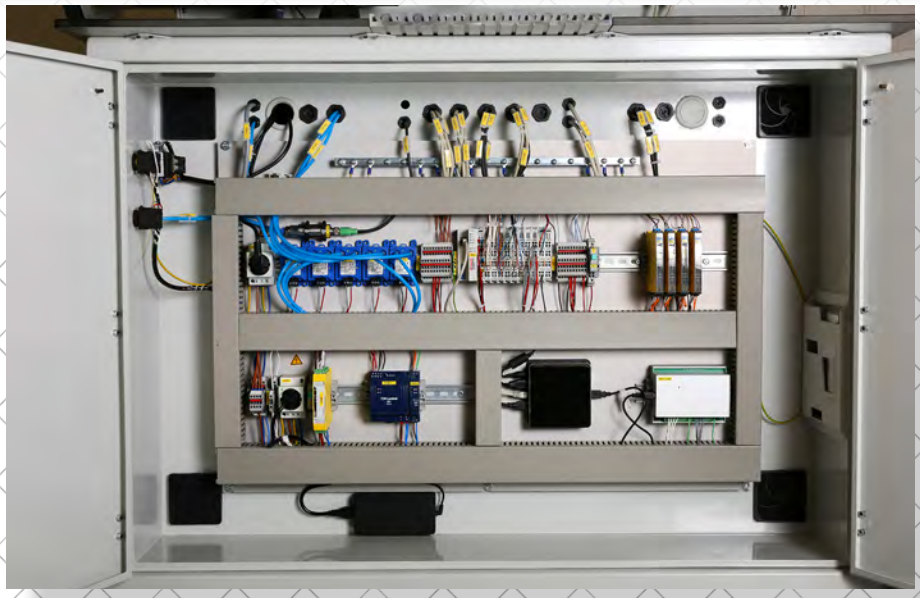

TMCO THE MEASUREMENT COMPANY

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ML 0003 01-2024