

# FLOCALTEC

FLOW CALIBRATION TECHNOLOGIES

## CALCUBE MODULAR PROVING SYSTEMS



## MOBILE PROVING SYSTEMS



# Flocaltec Flow Measurement

Full service provider of high-precision  
flow measurement

## SMALL PERMANENT PROVING SYSTEMS



## LARGE PERMANENT PROVING SYSTEMS



# CALCUBE MODULAR PROVING SYSTEMS



## INNOVATIONS:

- THREE DISCONNECTABLE CUBES OF LESS THAN 33 KG.
- MAXIMUM DIMENSIONS PER CUBE (l x w x h) 50 x 50 x 50 CM.
- DIMENSIONS COMPLETE CALCUBE (l x w x h) 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 CERTIFICATION ACCORDING ISO 17025

## GENERAL SPECIFICATIONS METRIC:

|                                |                                                         |                                                      |
|--------------------------------|---------------------------------------------------------|------------------------------------------------------|
| - Flow Rates M250              | 2 – 250 m <sup>3</sup> /h<br>0,25 – 2 m <sup>3</sup> /h | TOTAL UNCERTAINTY < 0,3%<br>TOTAL UNCERTAINTY < 0,5% |
| Flow Rates M160                | 2 – 160 m <sup>3</sup> /h<br>0,25 – 2 m <sup>3</sup> /h | TOTAL UNCERTAINTY < 0,3%<br>TOTAL UNCERTAINTY < 0,5% |
| Lower flow rates on request    |                                                         |                                                      |
| - Repeatability                | < 0,1%                                                  |                                                      |
| - Dimensions combined (LxWxH)  | 1000 x 500 x 500 mm.                                    |                                                      |
| - Weight per cube              | < 33 kg.                                                | (<25 kg on request)                                  |
| - Weight complete prover       | < 75 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)                            |

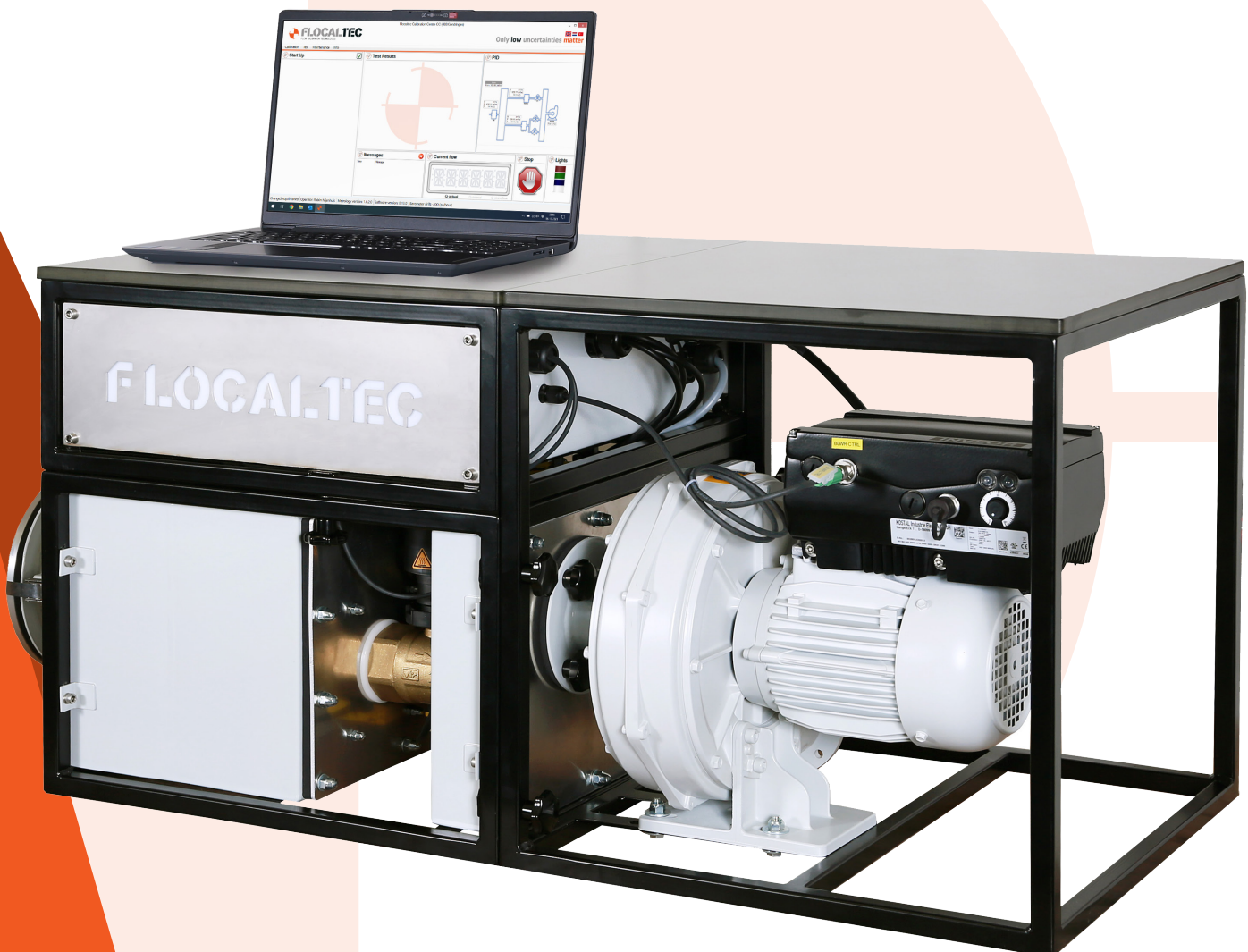
## GENERAL SPECIFICATIONS IMPERIAL:

|                                |                              |                                                      |
|--------------------------------|------------------------------|------------------------------------------------------|
| - Flow Rates 10M               | 70 – 10000 cfh<br>9 – 70 cfh | TOTAL UNCERTAINTY < 0,3%<br>TOTAL UNCERTAINTY < 0,5% |
| Flow Rates 5M                  | 70 – 5000 cfh<br>9 – 70 cfh  | TOTAL UNCERTAINTY < 0,3%<br>TOTAL UNCERTAINTY < 0,5% |
| Lower flow rates on request    |                              |                                                      |
| - Repeatability                | < 0,1%                       |                                                      |
| - Dimensions Combined (LxWxH)  | 40" x 20" x 20"              |                                                      |
| - Weight per cube              | < 73 lbs                     |                                                      |
| - Weight complete prover       | < 167 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                    | 1.1kW, 100 – 240Vac, 50/60Hz                                                                                                                                           |
| - Laptop and software         | Intel Core I series<br>4GB DDR3-1600 RAM<br>300GB Solid State Drive<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 metric / imperial units |
| - Sensor box Meter Under Test | up to 4 signals (LF or HF)                                                                                                                                             |







**QUICK FIX INLET ADAPTERS**

**PULSATION FREE MASTER METERS**

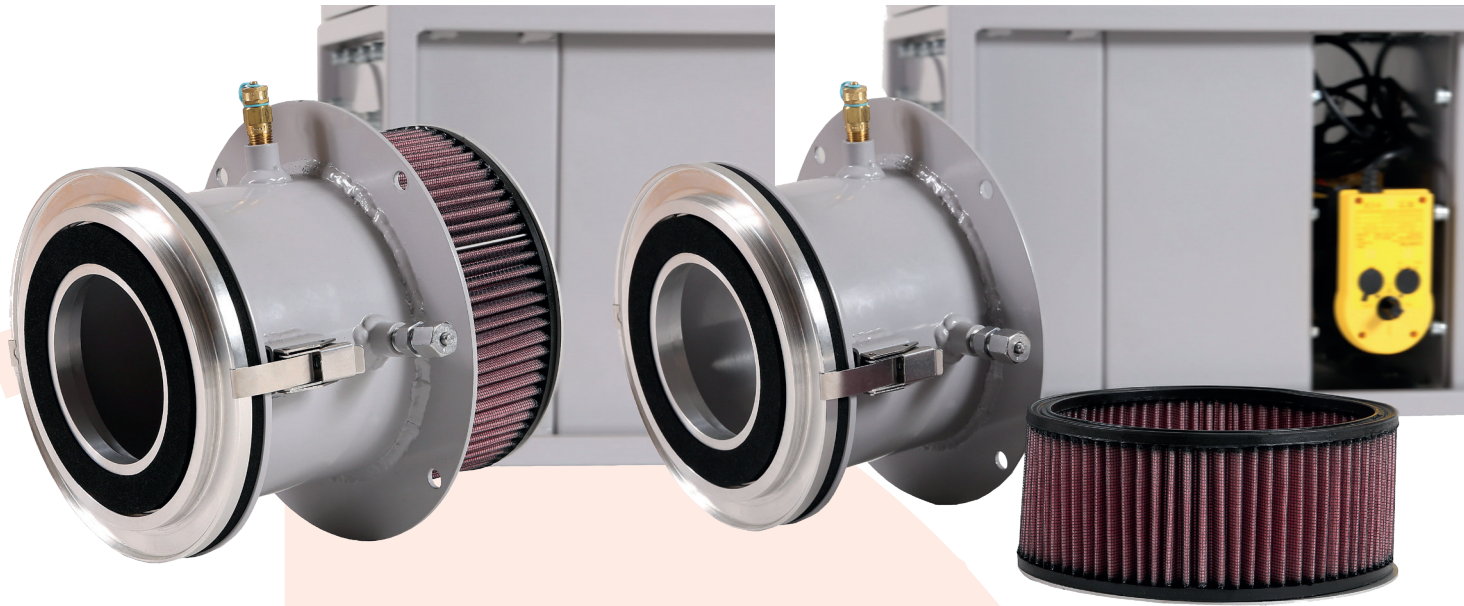


Nijverheidsweg 32  
7081 AE Gendringen (NL)



[www.flocaltec.com](http://www.flocaltec.com)  
[info@flocaltec.com](mailto:info@flocaltec.com)





**INTEGRATED FILTER ELEMENTS TO MAINTAIN  
THE HIGH LEVEL OF PERFORMANCE**





# MOBILE 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
- DIMENSIONS WITHIN EUROPALLET
- MULTIPLE MOUNTING POSSIBILITIES (VAN, TRUCK, TABLE, MOBILE)
- OPTIONAL CERTIFICATION ACCORDING ISO 17025



## GENERAL SPECIFICATIONS METRIC:

|                                                              |                                           |                          |
|--------------------------------------------------------------|-------------------------------------------|--------------------------|
| - Flow Rates M650                                            | 2 – 650 m <sup>3</sup> /h                 | TOTAL UNCERTAINTY < 0,3% |
|                                                              | 0,5 – 2 m <sup>3</sup> /h                 | TOTAL UNCERTAINTY < 0,6% |
| Flow Rates M400                                              | 2 – 400 m <sup>3</sup> /h                 | TOTAL UNCERTAINTY < 0,3% |
|                                                              | 0,5 – 2 m <sup>3</sup> /h                 | TOTAL UNCERTAINTY < 0,6% |
| Lower flow rates (0,1 and 0,25 m <sup>3</sup> /h) on request |                                           |                          |
| - Repeatability                                              | < 0,1%                                    |                          |
| - Dimensions (L x W x H)                                     | 1200 x 800 x 600 mm.                      |                          |
| - Weight                                                     | Approx. 225 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 23M                      | 70 – 23000 cfh                            | TOTAL UNCERTAINTY < 0,3% |
|                                       | 18 – 70 cfh                               | TOTAL UNCERTAINTY < 0,6% |
| Flow Rates 14M                        | 70 – 14000 cfh                            | TOTAL UNCERTAINTY < 0,3% |
|                                       | 18 – 70 cfh                               | UNCERTAINTY < 0,6%       |
| flow rates (3.5 and 9 cfh) on request |                                           |                          |
| - Repeatability                       | < 0,1%                                    |                          |
| - Dimensions (L x W x H)              | 47" x 20" x 20"                           |                          |
| - Weight                              | Approx. 500 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) |                          |



## GENERAL SPECIFICATIONS METRIC:

- AC Power 2kW, 100 – 240Vac, 50/60Hz
- Laptop and software Intel Core I series  
4GB 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 metric / imperial units
- Sensor box Meter Under Test up to 4 signals (LF or HF)



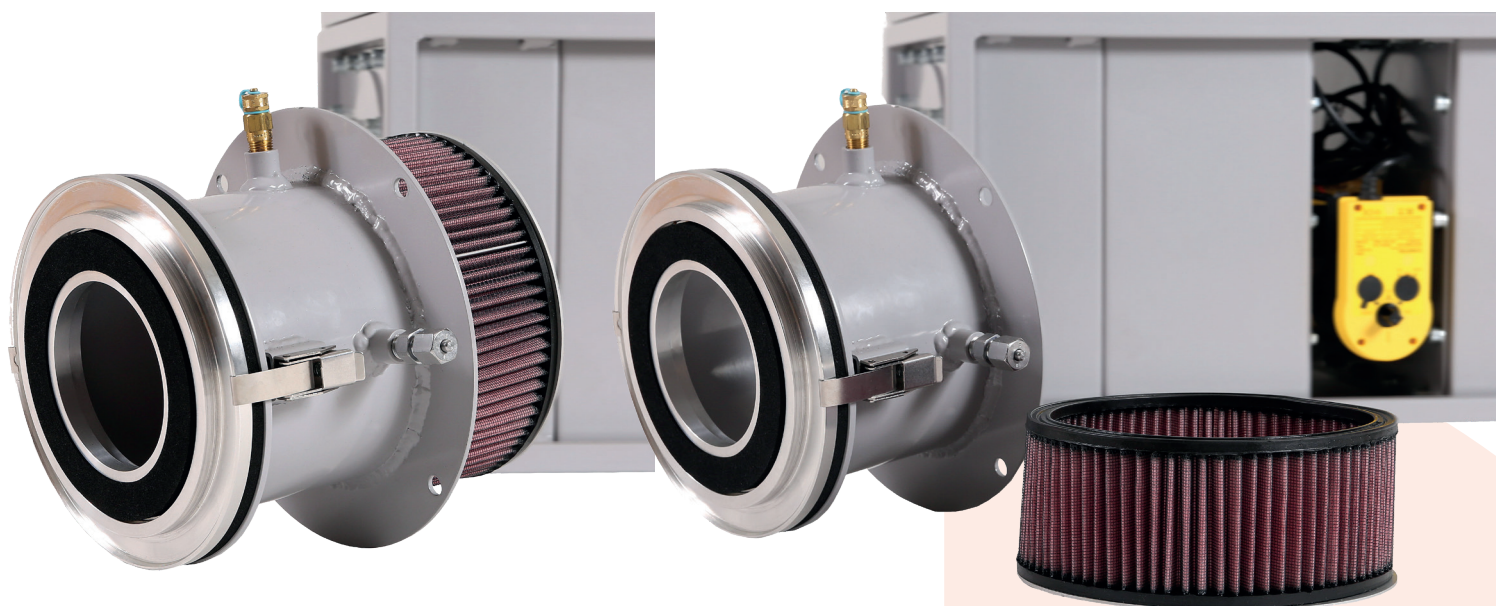
Nijverheidsweg 32  
7081 AE Gendringen (NL)



[www.flocaltec.com](http://www.flocaltec.com)  
[info@flocaltec.com](mailto:info@flocaltec.com)





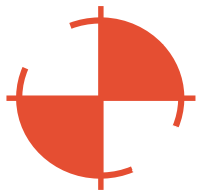


Nijverheidsweg 32  
7081 AE Gendringen (NL)



[www.flocaltec.com](http://www.flocaltec.com)  
[info@flocaltec.com](mailto:info@flocaltec.com)





# FLOCALTEC

FLOW CALIBRATION TECHNOLOGIES

## SMALL PERMANENT PROVING SYSTEMS



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

## LARGE PERMANENT PROVING SYSTEMS



## FCT-M2500



### 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
- OPTIONAL CERTIFICATION ACCORDING ISO 17025





## GENERAL SPECIFICATIONS METRIC:

|                                |                                                                                                             |
|--------------------------------|-------------------------------------------------------------------------------------------------------------|
| - Flow Rates M2500             | 2 – 2500 m <sup>3</sup> /h TOTAL UNCERTAINTY < 0,25%<br>0,25 – 2 m <sup>3</sup> /h TOTAL UNCERTAINTY < 0,5% |
| - Flow Rates M1000             | 2 – 1000 m <sup>3</sup> /h TOTAL UNCERTAINTY < 0,25%<br>0,25 – 2 m <sup>3</sup> /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)                                                                   |

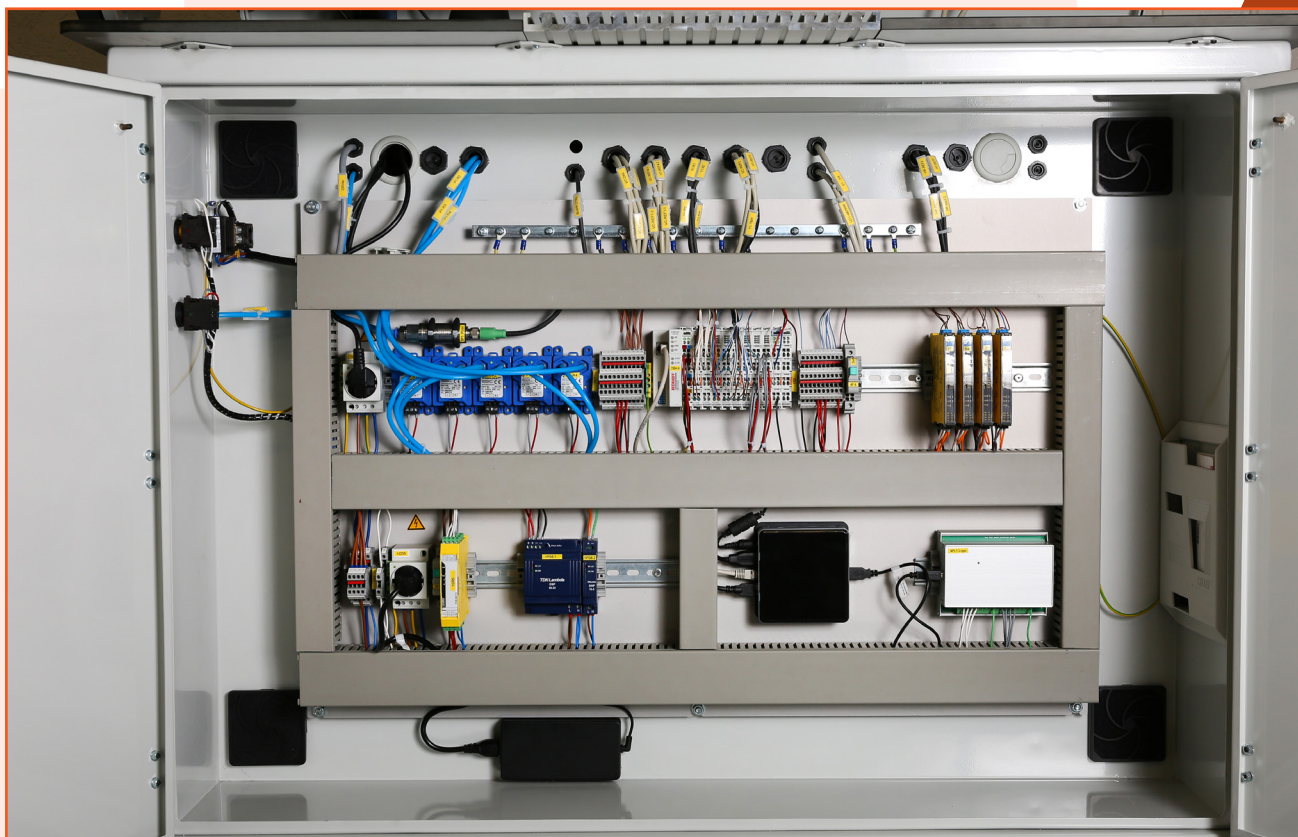
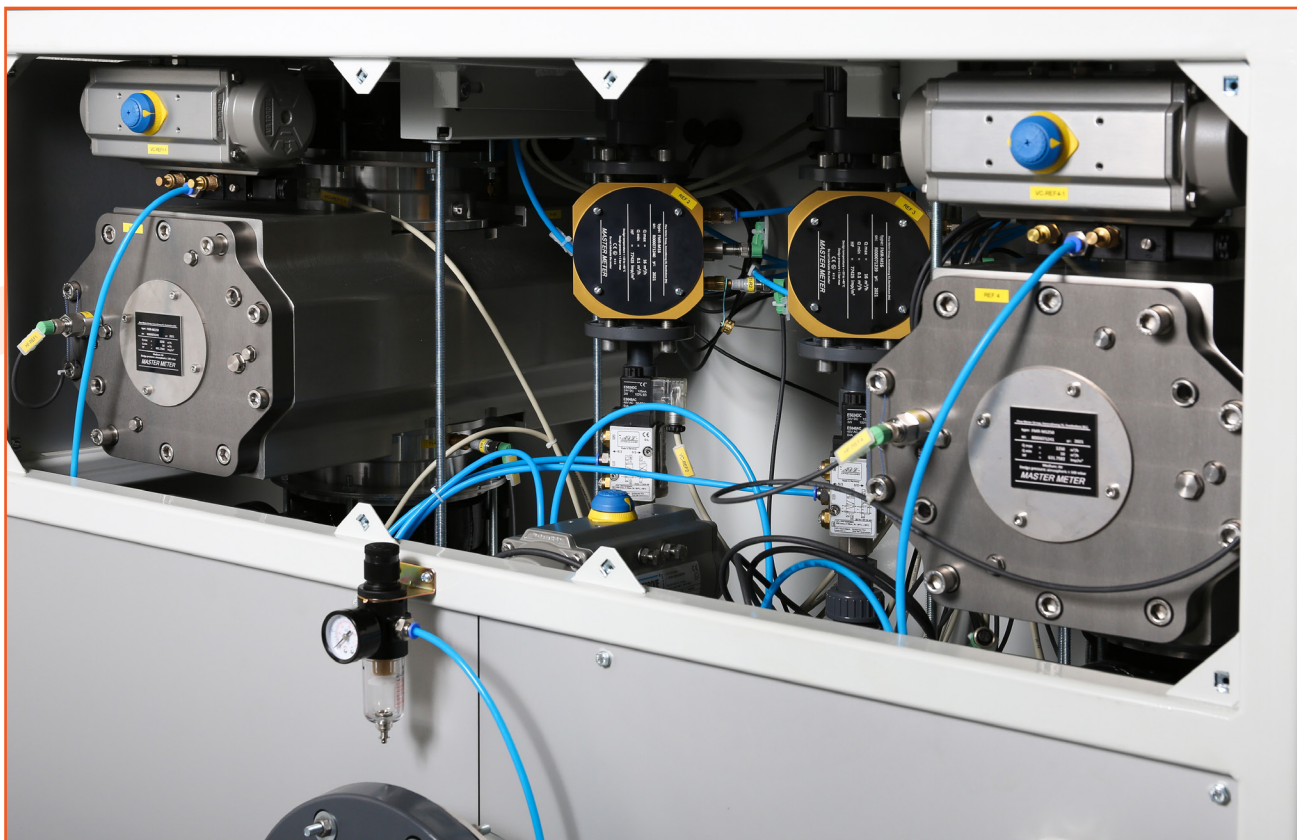
## GENERAL SPECIFICATIONS IMPERIAL:

|                                |                                                                                |
|--------------------------------|--------------------------------------------------------------------------------|
| - Flow Rates 88M               | 35 – 88000 cfh TOTAL UNCERTAINTY < 0,3%<br>9 – 35 cfh TOTAL UNCERTAINTY < 0,6% |
| - Flow Rates 35M               | 35 – 35000 cfh TOTAL UNCERTAINTY < 0,3%<br>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)







# FCT-M2500 / M5000 / M10000

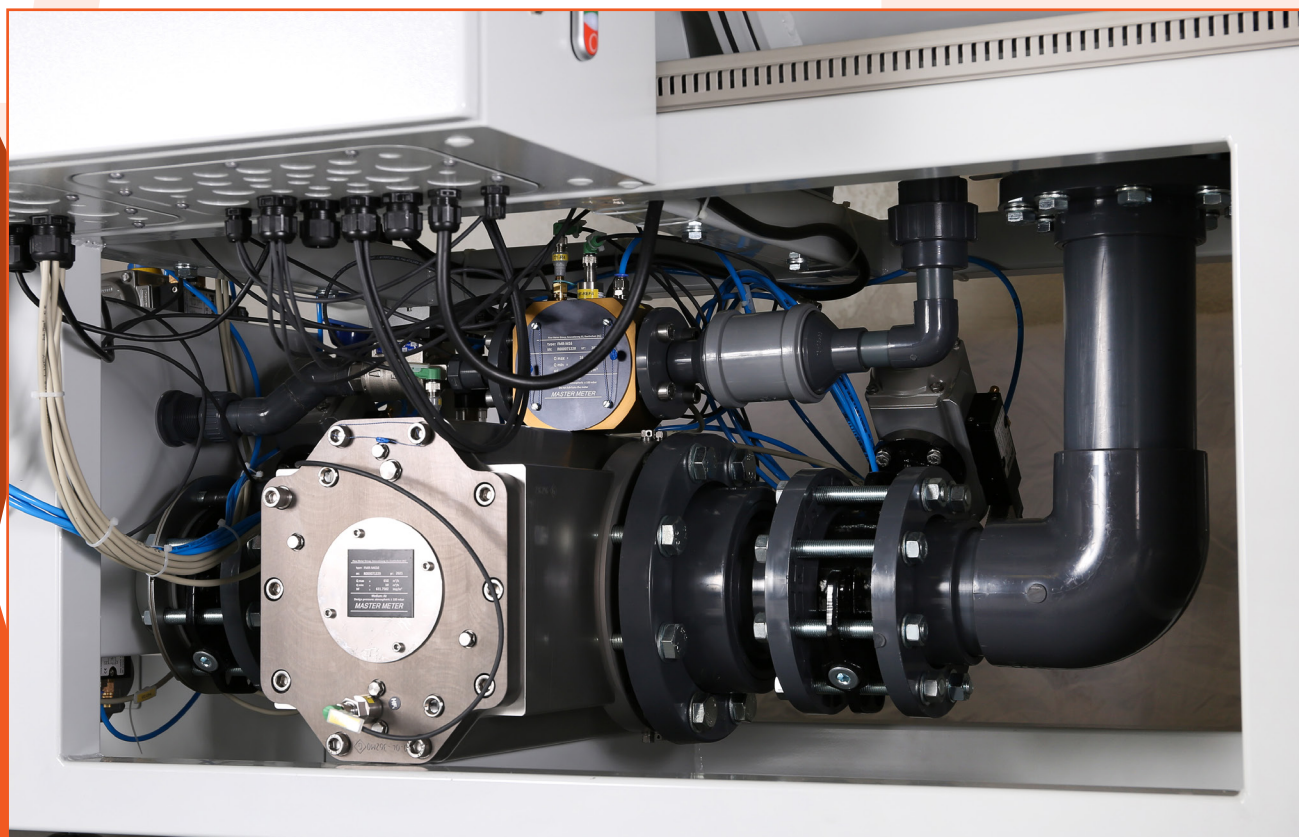
Upgradable



## 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
- OPTIONAL CERTIFICATION ACCORDING ISO 17025





## GENERAL SPECIFICATIONS METRIC:

|                                |                                       |                           |
|--------------------------------|---------------------------------------|---------------------------|
| - Flow Rates M10.000           | 2 – 10.000 m <sup>3</sup> /h          | TOTAL UNCERTAINTY < 0,25% |
|                                | 0,25 – 2 m <sup>3</sup> /h            | TOTAL UNCERTAINTY < 0,5%  |
| - Flow Rates M5000             | 2 – 5000 m <sup>3</sup> /h            | TOTAL UNCERTAINTY < 0,25% |
|                                | 0,25 – 2 m <sup>3</sup> /h            | TOTAL UNCERTAINTY < 0,5%  |
| - Flow Rates M2500             | 2 – 2500 m <sup>3</sup> /h            | TOTAL UNCERTAINTY < 0,25% |
|                                | 0,25 – 2 m <sup>3</sup> /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:

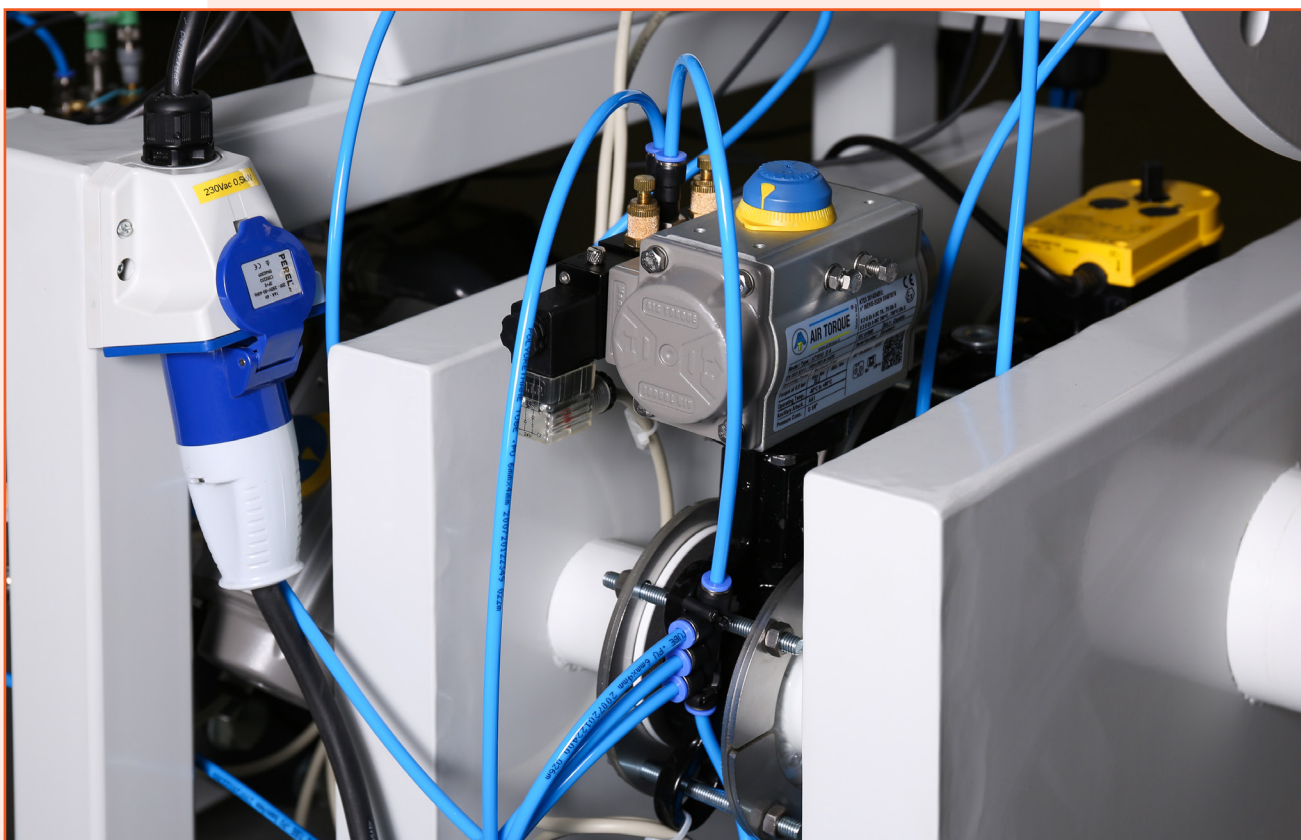
|                                |                                       |                           |
|--------------------------------|---------------------------------------|---------------------------|
| - Flow Rates 350M              | 35 – 350.000 cfh                      | TOTAL UNCERTAINTY < 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)

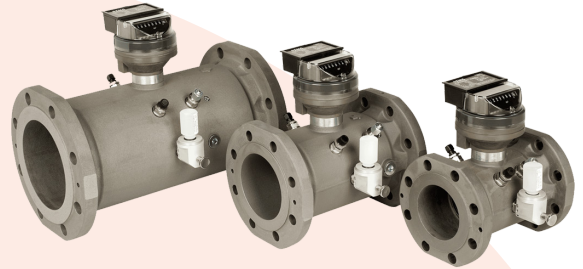




## OTHER PRODUCT IN OUR GAS MEASUREMENT GROUP



**ROTARY METERS**



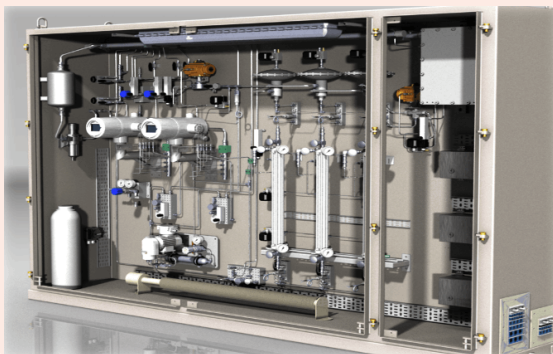
**TURBINE METERS**



**ULTRASONIC METERS**



**FLOW COMPUTERS**



**LNG SAMPLING SYSTEMS**



**METERING SKIDS**





# FLOCALTEC

FLOW CALIBRATION TECHNOLOGIES



Nijverheidsweg 32  
7081 AE Gendringen (NL)



[www.flocaltec.com](http://www.flocaltec.com)  
[info@flocaltec.com](mailto:info@flocaltec.com)



+31 (0) 315 785 522

## GAS RELATED COMPANIES IN OUR GAS MEASUREMENT GROUP



Innovatieweg 32  
7007 CD Doetinchem (NL)



[www.flowmetergroup.com](http://www.flowmetergroup.com)  
[info@flowmetergroup.com](mailto:info@flowmetergroup.com)



Bloesemlaan 4  
3897LN Zeewolde (NL)



[www.transus-instruments.com](http://www.transus-instruments.com)  
[info@transus-instruments.com](mailto:info@transus-instruments.com)



Onderzeel 6  
2920 Kalmthout (BE)



[www.globalgassolutions.com](http://www.globalgassolutions.com)  
[info@ggsoilandgassystems.com](mailto:info@ggsoilandgassystems.com)

## OUR US PARTNER



565 South Mason Road, Suite 174#  
Katy, Texas 77450 USA



[www.flowmetergroup.us](http://www.flowmetergroup.us)  
[info@flowmetergroup.us](mailto:info@flowmetergroup.us)