EMISSION MONITORING SYSTEMS

We was about the environment

MULTI-PURPOSE in top design





MF*plus*

The versatile instrument around the flue gas measurement

ALL IMPORTANT MEASUREMENTS WITH ONLY ONE INSTRUMENT



PRESSURE

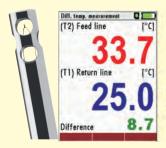
measurement



high precision, by using either internal or external sensors

TEMPERATURE

measurement



using thermocouples with 2 standard K-type sockets

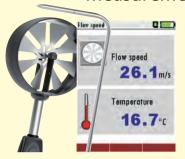
GAS LEAKAGE detection*



using **HC-sniffer** with cable and flexible detector head

FLOW-SPEED

measurement*



using vane probe or Pitot tube with flow rate calculation

HUMIDITY

measurement*



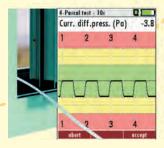
measurement of relative humidity, temperature and barometric pressure

special options for German measuring applications

PIPE tests*



at gas installations according to TRGI. (load- and gas tightness tests as well as amount speichern Temperatur of Leakage detection)



checking combustion air supply at ambiant air depended heat systems

OUTSTANDING ADVANTAGES:

well-designed, light-weight, robust enclosure

super bright, color 3,5" TFT display

dirt and moisture resistant keypad

Robust stainless steel connectors

High energy NiMh battery

Measuring data storage

Data logging function (2 GB SD card)

Data transfer to PC using USB or Bluetooth connections

Print-outs with IR-Speedprinter



Model PRESSURE/TEMPERATURE



Standard functions:

- Pressure / Diff. pressure measurement
- Temperature measurement
 Differential temperature measurement
- SD card and data logging software
- Transfer of measuring results to PC using USB interface
- Print-out of measuring results with IR-speedprinter

Optional functions:

- Simultaneous measurement of 2 differential pressures (4 connectors)
- Gas leakage detection using HC-detector (HC-sniffer)
- Flow speed measurement (Pitot tube or vane probe)
- Measurement of relative humidity, temperature and barometric pressure
- 4 Pa-test
- External connector press. sensors >1 bar
- Bluetooth wireless data transfer to PC

Model TRGI*



Standard functions:

- Pipe test according TRGI
- Loading test (TRGI)
- Tightness test (TRGI)
- Pressure / Diff. pressure measurement
- Temperature measurement / differential temperature measurement
- SD card and data logging software
- Transfer of measuring results to PC using USB interface
- Print-out of measuring results with IR-speedprinter

Optional functions:

- Gas leakage detection using HC-detector (HC-sniffer)
- Flow speed measurement (Pitot tube or vane probe)
- Measurement of relative humidity, temperature and barometric pressure
- 4 Pa-test
- External connector press. sensors >1 bar
- Bluetooth wireless data transfer to PC

TRGI* = technical regulations for gas installations in Germany

MFplus Multi-purpose instrument	Instrument with up to 7 functions	
Measurement components:	range	accuracy
Pressure measurement (internal)	± 100 hPa ± 250hPa ± 1 bar	± 0,25 % reading ± 2 % reading ± 2 % reading
Pressure measurement (external)	0 5 bar 0 25 bar 0 40 bar	±10 mbar or 1 % reading* ±50 mbar or 1 % reading* ±100 mbar or 1 % reading*
Leakage amount	0 8 l/h	± 0,2 l or 5 % reading*
Loading test	0 1.500 hPa	± 4 hPa or 2 % reading*
Tightness test	0 200 hPa	± 0,5 hPa or 3 % reading*
Humidity	3 98 %	± 3% RH
Barometric pressure	300 1.200 hPa	± 3 hPa
Ambient temperature	- 20 + 80 °C	± 1℃
Flow speed - with Pitot tube - with vane probe	1 40 m/s 0,25 3 m/s 3,1 35 m/s	± 1 m/s or 1 % reading* ± 0,1 m/s or ± 3 % reading* ± 0,3 m/s or ± 1 % reading*
Leakage detection	5 20.000 ppm	
Differential temperature	up to 650 °C or up to 1.300 °C (with suitable probes)	±1 °C or 1 % reading*
General specifications:		
Operation temperature	+ 5 + 45 °C, max. 95 % RH, none condensing	
Storage temperature	- 20 + 50 °C	
Ambient conditions	not in aggressive, corrosive or high dust ambience, not for use in hazardous areas	
Power supply	NiMH battery, 15 h operation	
Mains	wall-plug grid power supply 100 240 Vac / 50 60 Hz, 12 V DC/5A	
Type of protection	IP 20	
Weight	approx. 470 g	
Dimensions	(B x H x T) 90 x 205 x 38 mm	

* which ever is larger!

MFplus – Numerous functions and versatility in conjunction with high convenience

