

MRU INSTRUMENTS, INC.



**PRODUCT PORTFOLIO
PORTABLE UNITS**

400GD & 500GD

CH₄ C₃H₈ H₂ CO CO₂ °F IAQ FKW FCKW HFO AND OTHERS

Multifunction Detector for gas leak detection of / and ...

Main features:

- Super-fast reaction time
- Reliable gas leak detection (see gases above), AC refrigerant leak detection, stack humidity test, IR temperature measurement, IAQ test, with only one system
- Adjustable alarm thresholds
- Optical alarm at the sensor and on the display of the device
- Acoustic and vibration alarm by the device
- Strong Lithium-Ion battery, chargeable via Mini-USB socket
- TFT color display
- Handy device with dirt resistant keypad
- Adjustment factors are stored in the sensor for use with different devices
- Power supply for battery charging

DM 9600

Precision Multifunction Manometer

Five different models covering ranges of $\pm 3''$ H₂O to 100 PSI

Main features:

- Intuitive, TOUCH SCREEN graphic color display
- Accuracy to 0.5%
- Dual thermocouple and auxiliary input
- Bluetooth, USB, IR, and SD card interfaces
- Temperature compensated pressure sensor
- Automatic zeroing for long-term stability
- Simultaneous display of pressure and temperature readings
- 1000 points and 500 sites data memory
- USB charging and data download
- Hands free operation via magnetic back case
- 20-hour Lithium battery

Pa hPa mbar psi inH₂O °F FLOW AND OTHERS



DM 9600 - CHP

Precision Manometer for numerous pressure-, differential pressure- and temperature-measurements at CHP plants

All the main features listed above, plus...

Additional features:

- Electronic, long-term stable pressure sensor for up to 10 bar (145 psi)
- Engine inlet pressure
- Boost pressure
- Inter-cooler differential pressure
- Exhaust back pressure
- Crankcase pressure
- Internal pressure

Pa hPa mbar psi inH₂O °F FLOW AND OTHERS





AMPRO *plus*

O₂ CO CO₂ NO NO₂ NO_x SO₂ C_xH_y

The most powerful Handheld gas analyzer

The AMPRO plus is a true 7-sensor handheld emission analyzer which can measure up to 7 gas components simultaneously

Main features:

- Emission calculations such as mass flow calculated or True NO(x), plus O₂ ref. to user defined values
- High energy Li-Ion battery
- Large condensate separator with PTFE coated filter
- Stainless steel gas and pressure connectors
- Air purging pump for CO-sensor protection
- Internal data storage for up to 32,000 measurements
- Large color graphic, back-lit display with zoom function
- Customizable screen settings
- Durable and dirt resistant key pad
- IR interface for external printer
- Integrated SD card reader for additional memory and easy data handling
- DUAL Bluetooth for data transfer or device remote control



NOVA *compact*

O₂ CO CO₂ NO NO_x

For professionals who are looking for an extremely compact and rugged analyzer

Fast and accurate measurements for all gas, oil and solid fuel applications

Main features:

- Simultaneous measurement of up to 4 gases
- Easy intuitive operation
- Large condensate separator with PTFE coated filter
- OPTIONAL - Peltier gas cooler
- Suitable also for CHPs (cogeneration heat and power engines)
- Differential temperature measurement
- Differential pressure measurement
- Built-in speed printer with easy paper loading
- Rugged transport case



NOVAplus

O₂ CO CO₂ NO NO₂ NO_x SO₂ C_xH_y

Emissions Analyzer for industrial combustion / emissions tuning, compliance reporting or trouble-shooting.

Bluetooth communications between BASE unit and REMOTE control unit

Main features:

- Simultaneous measurement of up to 8 gases
- Automatic calculations and data logging
- Easy operation via intuitive Remote Control Unit
- Rugged design for extreme field conditions
- Accuracy and reliability on numerous applications
- Large condensate separator with PTFE coated filter
- OPTIONAL - Peltier gas cooler
- High energy Li-Ion battery
- Built-in speed printer with easy paper loading
- Compact and rugged transport case



VARIOluxx

O₂ CO CO₂ NO NO₂ NO_x SO₂ CH₄ C₃H₈ H₂S H₂

**PORTABLE EMISSIONS ANALYZER
semi-continuous monitoring of nearly any combustion /
emission application**

CTM 30 / CTM 34 / ASTM A6522 compliance

Main features:

- Simultaneous measurement of up to 9 gases
- Linux operating system
- 7" high contrast, color touchscreen with graphical data display
- Emission calculations such as mass flow calculated or True NO(x), plus O₂ ref. to user defined values
- Integrated Peltier cooler with automatic condensate drain pump
- Gas flow restrictor orifice
- Internal sample flow monitoring
- Strong, regulated sample pump
- Data transfer over LAN Ethernet or USB
- AND MUCH MORE



MGAprime

O₂ CO CO₂ NO NO₂ NO_x SO₂ CH₄ C₃H₈ H₂S H₂ N₂O

**PREMIUM flue gas emission analyzer
for extended measurement times of industrial combustions,
large boilers, gas engines and turbines, furnaces and many more...**

CTM 30 / CTM 34 / ASTM A6522 compliance

Main features:

- Simultaneous measurement of up to 9 gas components! CO, CO₂, NO, NO₂, SO₂, CH₄, C₃H₈, N₂O using NDIR
- Utilizes advanced technology for NDIR measurements with improved accuracy and w/o offset drifts
- Using single beam through sample cell for NDIR measurements
- Integrated, efficient dual heat exchanger gas cooler (Peltier type) with dual automatic condensate draining pumps



MGAprime

- Strong, regulated sample gas pump and easy replaceable, effective PTFE filter
- Internal sample flow monitoring with display and alarm
- Zero gas (ambient air) air inlet nozzle and passive VENT outlet of sample gas
- Large, 7" (840x480) color display with touch & swipe technique
- Linux operating system
- Data transfer over LAN Ethernet or USB
- AND MUCH MORE





VARIOluxx SYNGAS

O₂ CO CO₂ CH₄ H₂S H₂

The portable SYNGAS analyzer
Long-term process gas analysis for specialty gases

PORTABLE / VERSATILE / RUGGED

Suitable for semi-continuous
measurements of “syngas”
including the following applications:

- Steel industry: coke oven gas, blast furnace gas
- Biomass or coal catalytic oxidation (gasification)
- Waste gasification process, plasma gasification process
- Steam reforming of liquid hydrocarbons (refinery gas etc.)
- Flare gases
- Research ... and others





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