MRU INSTRUMENTS, INC.



PRODUCT PORTFOLIO PORTABLE UNITS



DM 9600

Precision Multifunction Manometer

Five different models covering ranges of ±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 OTHERS

DM 9600 - CHP



Precision Manometer for numerous pressure-, differential pressure- and temperaturemeasurements 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





AMPRO plus

O2 CO CO2 NO NO2 NO_X SO2 CxHy

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-lon 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



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



Emission

NOVA*plus*

O2 CO CO2 NO NO2 NO χ SO2 CxHy

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-lon battery
- Built-in speed printer with easy paper loading
- Compact and rugged transport case



VARIO*luxx*

02 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

02 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...

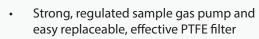
CTM 30 / CTM 34 / ASTM A6522 compliance

Main features:

- Simultaneous measurement of up to 9 gas components! CO, CO2, NO, NO2, SO2, CH4, C3H8, N2O using NDIR O2 using ECS or PM
- 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



Internal sample flow monitoring with display

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



Combustion / Emission



VARIO*luxx* **SYNGAS**



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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