EMS-10™

Emission Monitoring System

The Emission Monitoring System (EMS-10™) is a fully automated FTIR-based gas and emission monitoring system. The EMS-10 is capable of accurately analyzing many compounds simultaneously in real-time. The elegant integrated design incorporates complete control of all gases including the sample stream, zero gas and calibration gas with software from the large front panel touch screen or keyboard. This system is ideal whenever and wherever gas steams must be analyzed for composition and impurities typical in source testing.

The EMS-10 can handle hot and wet samples with nitrogen and calibration streams using a single sampling pump and particulate filter, making it ideal for a wide variety of applications. The EMS-10 comes completely integrated with the MAX-iR™ gas analyzer with and ASC-10™ automated sample console, computer, touch screen, and associated electronics– all enclosed within a transportable rack-mounted frame for easy transport. The system is also available with optional StarBost™ Technology allowing for sub ppb detection limits.

EMS-10™ Features

- Fully automated gas emission measurement system
- Touch screen control, works with all software
- Gas flows controlled by software or manually
- Pressure control (N2 and valve actuation)
- 10 L/min heated diaphragm pump (oil free)
- Heater controller for heated transfer line
- AK and other automation interfaces available
- Heated filter stand and heated transfer lines

Automation Features

- MAX-iR™ gas analyzer
- MAX-Acquisition Software
- Automated Sample Console (ASC-10™)
- Allen-Bradley PLC control (local or remote)
- Ethernet or serial PLC control
- Industrial PC runs entire system
- Factory Control: Modbus. Digital/analog optional

EMS-10™ Applications

- Engine Dyno Testing
- Evaporative Emissions
- FTIR Source Testing
- Continuous Emissions Monitoring
- Process Analytical Testing

Additional Product Specifications

- Ethernet or Serial Communication between computer and ASC-10™
- High Purity Nitrogen source, 40 - 80 psig
- Clean Dry Air (CDA) or N2, 65 psig
- 25-64 Disposable filter cartridges
- 110 VAC 60 Hz
- 1,100 Watts maximum power

Product Dimensions
- 26" (W) x 66" (H) x 35" (D) [58cm x 168cm x 89 cm]
- ~436 lbs. (198 kg)

MAX
Analytical Technologies

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