

EMS-100

Integrated Cart Systems for Diesel and Automotive Test Cells

Prism Analytical Technologies' EMS-100 is a fully integrated high speed FTIR-based combustion emission monitoring and analysis system. The EMS-100 is capable of accurately measuring dozens of compounds simultaneously at measurement frequencies up to 5 Hz at high spectral resolution. The elegant design incorporates all of the necessary components to achieve the high performance needed in automotive and diesel applications and avoids all of the extra componentry that can lead to frequent breakdowns and costly repairs. This design philosophy results in an economical and dependable emissions measurement system.

EMS-100 Features and Benefits

- MKS MultiGas™ 2030 HS high speed FTIR gas analyzer
- High sample flow and small gas cell volume for fast turnover
- True 5 Hz reporting rate at 0.5 cm⁻¹ spectral resolution (10 Hz at 1.0 cm⁻¹)
- Triple filtration to minimize gas cell contamination & down time
- Stand-alone heater controllers and filtration system
- Direct gas temperature measurement and pressure dampening for improved accuracy
- Natural gas, gasoline and diesel methods
- Includes all gas calibrations required for engine testing
- AK & other automation interface protocols available
- Integrated electrical and heater control system with EMO for safe operation
- All electronic equipment 18" above floor

Why the Prism EMS-100 high-speed emissions cart?

- EMS-100 developed by FTIR professional spectroscopists
- Unparalleled expertise in FTIR emissions testing, applications support, and method development
- Most economical high speed FTIR emissions cart on the market
- Specifically designed for ease of operation
- Application-specific training provided
- On-site & phone support available – with most issues resolved by phone



PRISM
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