

# Emissions Compliance Monitoring and Datalogging Systems

## *ECMD-Series*

# Emissions Compliance Monitoring and Datalogging Systems

- Full-featured, cost-effective emissions monitoring system – Not a controller
- Monitors critical operating parameters associated with environmental regulations – including RICE-NESHAP
- Records up to one-hundred (100) time and date-stamped datalogs accessible via the USB interface – Expanded capability available
- Available in a variety of configurations – Packaged and un-packaged
- Designed for SCADA and remote communications
- Certified for use in Class I, Division 2, Group C and D hazardous operating areas
- 12-24 VDC-powered – 15 watts max.



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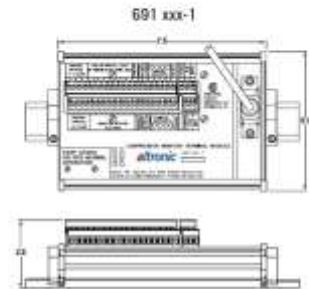
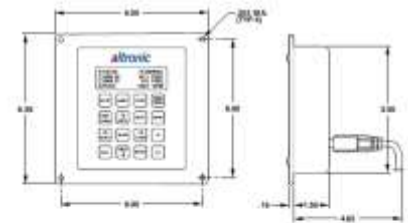
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- Monitored input parameters
  - Pre-/post-catalyst temperature/differential values
  - Pre-/post-catalyst pressure/differential values
  - Pre-catalyst oxygen (O<sub>2</sub>) value
  - Post-catalyst nitrogen oxide (NO<sub>x</sub>) value
  - Operating hours (non-resettable)
  - Other unspecified values to meet future regulatory requirements
  
- All monitored data is collected and recorded in fifteen (15) minute intervals
  - Additional datalogs are generated and recorded upon monitored setpoint excursions (fault conditions)
  
- Includes two (2) configurable on-board output switches
  - Typical configuration would include one switch and associated monitoring parameter setpoints configured for alarm, and the second (with associated monitoring parameters) configured for shutdown
  - Can be configured for local or remote indication of setpoint excursion
  
- All ECMD systems support MODBUS communications for local integration and/or remote data access

# Emissions Compliance Monitoring and Datalogging Systems

- ECMD systems are available in a variety of configurations to suit both existing and new applications
  - Packaged in a NEMA 4X Enclosure suitable for direct mount on a compressor skid (typically bolted to the side of an existing control panel) – ECMD101 and ECMD102
  - Provided as loose components (ECMD100) for direct installation into a new control panel application
- Expanded datalogging and communications beyond the core ECMD101 system are available in the ECMD102 and as an added to a new control panel
  - The capacity to retain thousands of normal and fault-related datalogs (up to 120 days worth) accessible remotely and/or locally via CompactFlash® Card
  - Ethernet connectivity (Modbus TCP, HTTP, and FTP)

ECMD-101/102



ECMD-100

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