

Portable Data Acquisition System



XMI Corporation's newest in-vehicle system gives you a complete data acquisition system in a sturdy, travel-ready composite case. System capabilities include:

- 6 analog data channels, with sample rates up to 100 Hz, to measure pressure and displacement
- 10 high-speed channels, with sample rates up to 40 kHz, that can be configured for any combination of microphones and accelerometers
- 1 frequency input for speed measurement
- 16 temperature channels.

Data is monitored real-time and stored on the system's internal 80 GB hard drive for later transfer to a standard PC, where the data can be analyzed and reduced using the pre-installed XMI-Pro software.

The system is powered directly from the vehicle battery, using a 10-foot power cable with an in-line fuse that comes standard with the system.

Also included with the standard system:

- Embedded 1 GHz processor
- USB standard QWERTY keyboard
- USB mouse
- 10.4" VGA touchscreen (USB and VGA cable)
- Microsoft Windows XP Pro operating system
- Microsoft Office 2003
- XMI-Pro data acquisition software
- Network port



(Shown with and without cover)

The system can be configured with a variety of peripherals and options, including IEEE 1394 firewire ports, wireless mouse/keyboard, transducers, signal conditioners, and cabling. XMI can also custom-configure a complete system to meet your specific in-vehicle requirements.



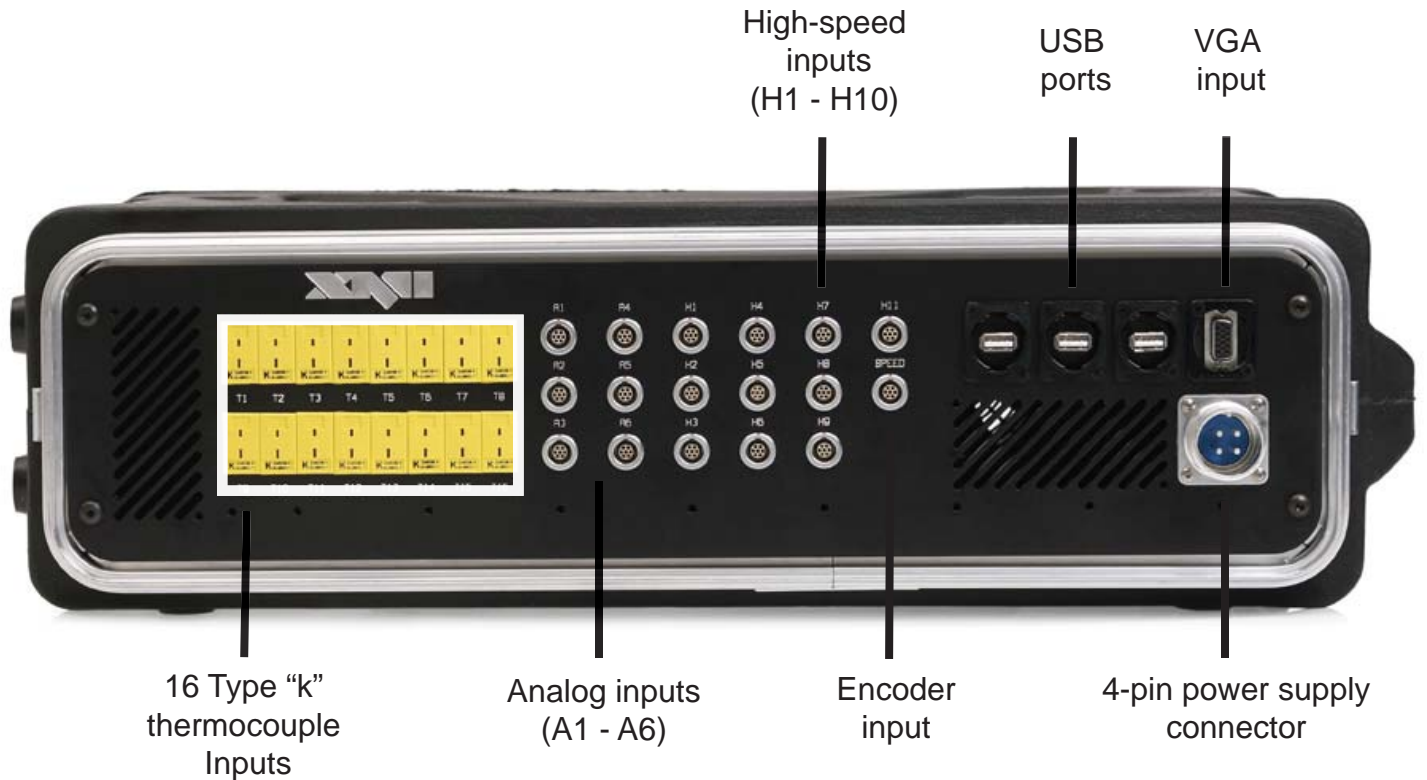
Corporation

Physical Specifications	
Dimensions	
Weight	

Power Requirements	
Data Acquisition System	12 Vdc, 5 amps
Monitor	12 Vdc, 3 amps

Inputs			
Type	Quantity	Description	Typical Use
Analog	6	Sampling rates up to 100 Hz	Pressure measurements
High-Speed	10	Sampling rates up to 40 kHz	Accelerometers/microphones
Frequency	1	---	Shaft encoder
Thermocouple	16	Standard miniature Type "k" connectors	Ambient temperature, brake system temperatures

Options			
Wireless mouse and keyboard			
Transducers and signal conditioners			



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