

MSI-20 Multi-Sense Instrument (PCI-1055)



Overview:

The MSI-20 is a real time instrument that provides simultaneously monitoring of a variety sensor types, including airflow, temperature, humidity, pressure, and light level. The monitored parameters can be viewed on the LCD display on the unit, or accessed on a PC via an RS-232 interface. Each sensor is purchased separately, which provides the flexibility to configure the system around specific requirements. The MSI-20 detects both the presence and type of each sensor being used, allowing for ease of operation. The MSI-20 is designed to be as simple as possible to use – providing multiple sensor viewing or data logging, without requiring a major investment in training or capital.

Function:

A sensor will begin taking data when it is plugged into any available sensor port. The LCD will display the sensor port, type, measurements, and measurement units automatically when the sensor is plugged in. The buttons on the front of the unit are used to change the port being monitored on the LCD (see diagram on the bottom of the MSI-20 for sensor port assignments - grouping the sensors will simplify use).

PC Interface:

The MSI-20 is capable of outputting the current sensor readings to a PC. To setup for this operation, simply connect the MSI-20 to any available serial port with a one to one serial cable and open HyperTerminal (see the settings below). After HyperTerminal is setup correctly and connected, turn the MSI-20 on - the current readings will appear in the terminal window.