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ESI - GS4200-USB & GD4200-USB-DIGITAL PRESSURE SENSOR

Data logger

GS4200-USB0100AB
USB, 0..100 bar, G1/4



- Silicon-on-sapphire pressure sensor technology
- Choice of pressure ranges from vacuum to 5,000 bar
- Accurate leak testing
- Create customised certificates
- Measure & record up to 16 pressure inputs together

PRODUCT DESCRIPTION

The ESI Technology GS4200-USB digital pressure transducer has been designed to measure, analyse and record pressure directly on to a computer without the need for costly I/O interface boards. It allows up to 16 sensors to be monitored simultaneously and to create customised test certificates or export the data to excel.

The GS4200-USB is powered by the computer's USB port (2 meter cable supplied) and the data is presented on the PC via the supplied Windows interface software or with the use of LabView. The sensor also has a built in temperature sensor and it is possible to display this at the same time as the pressure measurement. High and low pressure limits can be set as well putting markers on the live pressure measurement graph to indicate any important changes in pressure. Sampling rate is selectable from 0.2 seconds up to 600 seconds with a total of eleven options, there is also nine pressure unit options including bar, psi, mbar & MPa as well as gauge or absolute reference.

Pressure ranges start from -1 to 2.5 bar all the way up to 0 to 4000 bar with a total of seven standard pressure ranges available and customer specific ranges available on request.

Please contact us for a free demonstration.

Application examples

- End of line test
- Fault finding
- Leak testing
- Servicing
- Specification of pressure related products

TECHNICAL DATA

Ambient temperature	-20..85°C
Approvals	CE
Electrical connection	USB mini B socket
EMC	EN61326-1, EN61326-2-3
Linearity	≤±0.15% BFSL
Material of wetted parts	Titanium alloy
Media temperature	-50..125°C
Output	USB 2.0
Overpressure protection	200 bar
Pressure range max	100 bar
Pressure range min	0 bar
Pressure reference	Gauge (default) or Absolute (input by user)
Process connection	G1/4
Sensor technology	Silicon-on-Sapphire
Storage temperature	5..40°C
Supply voltage	5 V DC USB



