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# USB-488

## USB-to-IEEE-488.2 GPIB Interface



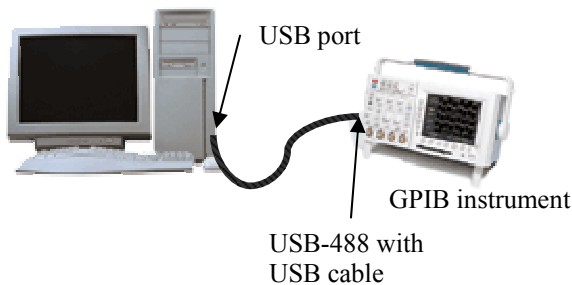
### Features

The USB-488 is an IEEE 488.2 standard USB interface, and is supported under popular Microsoft® Windows® operating systems and LabVIEW™.

The USB-488 has the following features:

- Complete Talker/Listener/Controller functionality
- Controls up to 14 GPIB instruments
- USB 2.0 full-speed compliant – 12 Mb/s
- Data transfer rates up to 880 kB/s
- Built-in 2 m USB cable
- No GPIB cable required to connect to the first instrument
- Compact and lightweight
- Compatible with USB 1.1

The USB-488 interface converts any USB personal computer into an instrumentation control and data acquisition system.



### Other resources

- The *GPIB-488 Software and Product Information* booklet explains how to install the software on the GPIB-488 software CD. This booklet is on the root of the software CD in *GettingStartedGuide.pdf*.
- The *GPIB-488 Programming Reference Manual* explains how to program the PCI-488 using the GPIB library software included with the board. This manual is installed with the software to the root folder in *GPIBProgrammingReferenceManual.pdf*.
- Support: Phone - (508) 946-5100  
Fax (508) 946-9500  
Email - [info@measurementcomputing.com](mailto:info@measurementcomputing.com)

### Specifications

#### USB

Full-speed USB 2.0 signaling 12 Mb/s

#### IEEE 488 compatibility

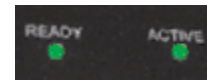
Compatible with IEEE 488.1 and IEEE 488.2.

#### Maximum IEEE 488 bus transfer rate

Standard IEEE 488 handshake 880 kB/s

#### LED indicators

- **READY** LED – Lights up when the USB is configured.
- **ACTIVE** LED – Lights up when the USB is active.



#### Power consumption

USB self-powered device  
Maximum power consumption 200 mA

#### Physical dimensions

10.7 cm (L) x 6.6 cm (W) x 2.6 cm (H)  
(4.2 in. x 2.6 in. x 1.0 in.)

#### I/O Connectors

GPIB IEEE 488 standard 24-pin  
USB USB standard series A plug

#### Environment

- Operating specifications:
  - Ambient temperature 0 to 55 °C
  - Relative humidity 10 to 90%, noncondensing
- Storage specifications:
  - Ambient temperature -20 to 70 °C
  - Relative humidity 5 to 95%, noncondensing



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