

GPIB to USB Adapter

TEK-USB-488 Data Sheet

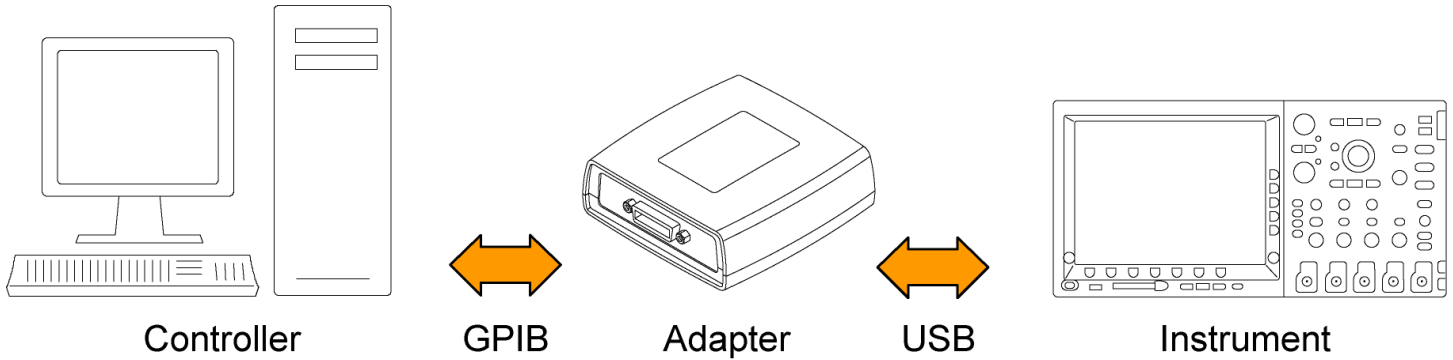


Features & Benefits

- Enables GPIB Control of Tektronix Instruments through the USB Port of Tektronix Instruments Compliant with USBTMC-USB488 Standards
- GPIB Primary Address is Assignable through the Host Tektronix Instrument
- Powered by USB Host or Optional External Power Supply
- LED Indicators Provide Power, Adapter Status, and USB Status
- Can be used in Rackmount Instrument Configurations

Applications

- Digital Design
- Research and Development
- Manufacturing Test
- ATE Environments
- Service and Support
- Education



Adapter configuration to controller and instrument

Tektronix Instrument GPIB Adapter

The TEK-USB-488 Adapter enables communication between a GPIB bus controller, and the USB port of a USBTMC-USB488 compliant Tektronix instrument (for example, the DPO4000 Series Oscilloscopes).

Characteristics

System Requirements

Compatible with Tektronix instruments providing USBTMC-USB488 compliant USB ports supporting the protocol and USB extensions required for setting the adapter's GPIB primary address. For USBTMC-USB488 instruments not supporting these USB extensions and protocol, the GPIB address defaults to address "1" and cannot be changed. Each adapter controls one instrument and does not support use of USB hubs.

IEEE 488 (GPIB) Compatibility

Physical Connection – GPIB interface connector provided on adapter.

Compliance – IEEE 488.2 compliant.

Other

Bulk Data Rate – Specification not available at this time.

Front-panel Indicators – Power Applied, Adapter Status, and USB Status.

Environmental

Temperature

Operating – 0 °C to +50 °C.

Nonoperating – -20 °C to +60 °C.

Humidity

Operating – (High) 40 °C to 50 °C, 10% to 60% relative humidity; (Low) 0 °C to 40 °C, 10% to 90% relative humidity.

Nonoperating – (High) 40 °C to 60 °C, 5% to 60% relative humidity; (Low) 0 °C to 40 °C, 5% to 90% relative humidity.

Altitude

Operating – Up to 3,000 m (10,000 ft.).

Nonoperating – Up to 15,240 m (50,000 ft.).

Regulatory

Emissions Compliance – EN 55011, Class A.

EMC Compliance – EN61326, Class A.

Compliance Labeling –

C-Tick (Australia / New Zealand).

CE (European Union).

WEEE (European Union).

Power

Source Power – Provided by USB host or orderable external power supply.

Power Consumption – Regulated at 5 VDC at <500 mA.

Physical Characteristics

| Dimensions | mm | in. |
|------------|--------|------|
| Height | 48.25 | 1.9 |
| Width | 133.35 | 5.25 |
| Depth | 133.35 | 5.25 |
| Weight | kg | lb. |
| Net | 0.56 | 1.25 |

Standard Warranty

One year parts and labor.

Ordering Information

TEK-USB-488

GPIB (IEEE488.2) to USB Adapter

Includes: Adapter, 2 USB cables, user manual.

Service Options

Opt. R3 – Repair Service 3 years including warranty.

Opt. R5 – Repair Service 5 years including warranty.

Recommended Accessories

USB Host-to-Device Cable, 1 m Length – Order 174-4401-xx.

GPIB Cable, 1 m Length – Order 012-0991-01.

GPIB Cable, 2 m Length – Order 012-0991-xx.

5 V \pm 5% 500 mA Power Supply*1 – Order 119-5883-xx.

*1 Does not include power cord which must be ordered separately from International Power Plugs listing.

International Power Plugs

US Power – Order 161-0066-xx.

Universal Euro Power – Order 161-0066-09.

United Kingdom Power – Order 161-0066-10.

Australia Power – Order 161-0066-13.

Switzerland Power – Order 161-0154-xx.

Japan Power – Order 161-A005-xx.

China Power – Order 161-0304-xx.

India, South Africa Power – Order 161-0400-xx.



Product(s) are manufactured in ISO registered facilities.



Product(s) complies with IEEE Standard 488.1-1987, RS-232-C, and with Tektronix Standard Codes and Formats.

Contact Tektronix:

- ASEAN / Australasia** (65) 6356 3900
- Austria** +41 52 675 3777
- Balkans, Israel, South Africa and other ISE Countries** +41 52 675 3777
- Belgium** 07 81 60166
- Brazil** +55 (11) 40669400
- Canada** 1 (800) 661-5625
- Central East Europe, Ukraine, and the Baltics** +41 52 675 3777
- Central Europe & Greece** +41 52 675 3777
- Denmark** +45 80 88 1401
- Finland** +41 52 675 3777
- France** +33 (0) 1 69 86 81 81
- Germany** +49 (221) 94 77 400
- Hong Kong** (852) 2585-6688
- India** (91) 80-42922600
- Italy** +39 (02) 25086 1
- Japan** 81 (3) 6714-3010
- Luxembourg** +44 (0) 1344 392400
- Mexico, Central/South America & Caribbean** 52 (55) 54247900
- Middle East, Asia, and North Africa** +41 52 675 3777
- The Netherlands** 090 02 021797
- Norway** 800 16098
- People's Republic of China** 86 (10) 6235 1230
- Poland** +41 52 675 3777
- Portugal** 80 08 12370
- Republic of Korea** 82 (2) 6917-5000
- Russia & CIS** +7 (495) 7484900
- South Africa** +27 11 206 8360
- Spain** (+34) 901 988 054
- Sweden** 020 08 80371
- Switzerland** +41 52 675 3777
- Taiwan** 886 (2) 2722-9622
- United Kingdom & Ireland** +44 (0) 1344 392400
- USA** 1 (800) 426-2200

For other areas contact Tektronix, Inc at: 1 (503) 627-7111

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For Further Information. Tektronix maintains a comprehensive, constantly expanding collection of application notes, technical briefs and other resources to help engineers working on the cutting edge of technology. Please visit www.tektronix.com



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