

# GPIB to USB Adapter

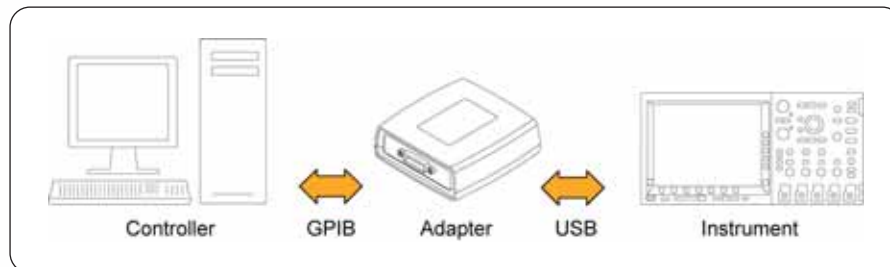
► TEK-USB-488



## 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).



► Adapter configuration to controller and instrument.

## ► 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.

**Non-Operating** – -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.

##### Non-Operating –

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

## ► 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

# GPIB to USB Adapter

▶ TEK-USB-488

## Altitude

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

**Non-Operating** – Up to 15,240 m (50,000 feet).

## 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	lbs.
Net	0.56	1.25

## Standard Warranty

One year parts and labor.

## ▶ Ordering Information

### TEK-USB-488

GPIB (IEEE408.2) to USB Adapter.

**Includes:** Adapter, two 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 174-4401-00.

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

**GPIB Cable, 2 m Length** – Order 012-0991-00.

**5 V ±5% 500 mA Power Supply<sup>1</sup>** – Order 119-5883-00.

### International Power Plugs

**US Power** – Order 161-0066-00.

#### Universal Euro Power –

Order 161-0066-09.

#### United Kingdom Power –

Order 161-0066-10.

**Australia Power** – Order 161-0066-13.

**Switzerland Power** – Order 161-0154-00.

**Japan Power** – Order 161-A005-00.

**China Power** – Order 161-0304-00.

#### India, South Africa Power –

Order 161-0400-00.

<sup>1</sup> Does not include power cord which must be ordered separately from International Power Plugs listing.

## Contact Tektronix:

ASEAN / Australasia / Pakistan (65) 6356 3900

Austria +41 52 675 3777

Balkan, Israel, South Africa and other ISE Countries +41 52 675 3777

Belgium 07 81 60166

Brazil & South America 55 (11) 3741-8360

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 & North Africa +33 (0) 1 69 86 81 81

Germany +49 (221) 94 77 400

Hong Kong (852) 2585-6688

India (91) 80-22275577

Italy +39 (02) 25086 1

Japan 81 (3) 6714-3010

Luxembourg +44 (0) 1344 392400

Mexico, Central America & Caribbean 52 (55) 56666-333

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) 528-5299

Russia & CIS 7 095 775 1064

South Africa +27 11 254 8360

Spain (+34) 901 988 054

Sweden 020 08 80371

Switzerland +41 52 675 3777

Taiwan 886 (2) 2722-9622

United Kingdom & Eire +44 (0) 1344 392400

USA 1 (800) 426-2200

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

Updated 15 June 2005

Our most up-to-date product information is available at:

[www.tektronix.com](http://www.tektronix.com)



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.

Copyright © 2005, Tektronix. All rights reserved. Tektronix products are covered by U.S. and foreign patents, issued and pending. Information in this publication supersedes that in all previously published material. Specification and price change privileges reserved. TEKTRONIX and TEK are registered trademarks of Tektronix, Inc. All other trade names referenced are the service marks, trademarks or registered trademarks of their respective companies.

12/05 HB/WWW

51W-19078-0

**Tektronix**  
Enabling Innovation