TELEDYNE LECROY
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TPA10 TekProbe® Probe Adapter



Key Features

- **Allows TekProbe interface level II probes to work with any ProBus-equipped Teledyne LeCroy oscilloscope**
- **Automatic probe detection**
- **Provides all necessary power and offset control to the attached probe**
- **Supports probes up to 4 GHz**
- **Easy firmware updates**
- **Wide variety of probes supported including:**
  - Preamplifiers
  - Current Probes
  - Single-Ended Active Probes
  - Differential Active Probes

The TPA10 Tektronix TekProbe Probe Adapter permits connection of select Tektronix TekProbe interface level II probes to any ProBus-equipped Teledyne LeCroy oscilloscope. The TPA10 automatically detects which Tektronix probe is attached and supplies all necessary power and offset control to the probe, and communicates the probe signal to the Teledyne LeCroy oscilloscope.

Leverage Existing Probes

Investing in new probes can be very expensive. With the TPA10, existing TekProbe probes can be used on Teledyne LeCroy oscilloscopes, allowing for easy and affordable access to the latest in oscilloscope technology.

Automatic Probe Detection

Simply plug the TPA10 into any ProBus-equipped Teledyne LeCroy oscilloscope, attach a supported TekProbe interface level II probe,and the oscilloscope will automatically detect which probe is attached.

Wide Variety of Supported Probes

The TPA10 ProBus Probe Adapter supports many popular probes up to 4 GHz including: preamplifiers, current probes, single-ended active probes and differential active probes.

Easy Firmware Updates

The firmware for the TPA10 is included in the oscilloscope software. If an updated firmware version for the TPA10 is available, an “Update Firmware” button will automatically appear on the dialog making updates simple.

SPECIFICATIONS & ORDERING INFORMATION

Specifications

Electrical Characteristics

Bandwidth	4 GHz (adapter only)
Power Supplies	+15V, -15V, +5V, -5V (each 2%)
Offset Voltage	±1V (1%)
Max. Input Voltage	47 V_{pk}, 33 V_{rms}

Environmental

Operating Temperature Range	0 to 50 ºC
Non-operating Temperature Range	-40 to +70 ºC
Humidity	5% to 95% RH (10 to 40 ºC); 5% to 75% (above 40 ºC); RH not controlled below 10 ºC
Operating Altitude	3000 meters maximum

Physical

Dimensions (WxHxD)	39 mm x 31.1 mm x 88.6 mm (1.54″ x 1.22″ x 3.49″)
Weight	119 g (0.26 lb)

The TPA10 requires the Teledyne LeCroy oscilloscope to be running firmware version 7.8.0.0 or greater.

Ordering Information

Product Description	Product Code
TekProbe to ProBus Probe Adapter	TPA10
Set of 4 TPA10 TekProbe to ProBus Probe Adapters. Includes soft carrying case.	TPA10-QUADPAK

Supported Probes

The following TekProbe devices are supported for use with TPA10:

Preamplifiers

1 MHz Differential Preamplifier	ADA400A

Current Probes

50 MHz AC/DC Current Probe	TCP202/TCP202A

Single-ended Active Probes

750 MHz Single-ended Active Probe	P6205
1 GHz Single-ended Active Probe	P6243
1.5 GHz Single-ended Active Probe	P6245
4 GHz Single-ended Active Probe	P6241
4 GHz Single-ended Active Probe	P6249

Differential Active Probes

100 MHz Differential Probe	P5205/P5205A
50 MHz Differential Probe	P5210/P5210A
400 MHz Differential Probe	P6246
1 GHz Differential Probe	P6247
1.5 GHz Differential Probe	P6248
500 MHz Differential Probe	P6250
1 GHz Differential Probe	P6251

Customer Service

Teledyne LeCroy oscilloscopes and probes are designed, built, and tested to ensure high reliability. In the unlikely event you experience difficulties, our digital oscilloscopes are fully warranted for three years and our probes are warranted for one year. This warranty includes:

- No charge for return shipping
- Long-term 7-year support
- Upgrade to latest software at no charge

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**Local sales offices are located throughout the world.
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