



Electro Optical Components, Inc.

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ACCESSORIES



CURRENT AMPLIFIERS

VOLTAGE AMPLIFIERS

GHZ-WIDEBAND
AMPLIFIERS

PHOTORECEIVERS

LOCK-IN AMPLIFIERS

ACCESSORIES



LUCI-10 USB Control Interface



- Compact digital I/O interface for USB remote control of FEMTO amplifiers and photoreceivers
- Supports opto-isolation of amplifier signal path from PC USB port
- Bus-powered operation
- System driver, application software and VI's for use with LabVIEW™ included

Model	LUCI-10
Bus Interface	USB 2.0 (full-speed)
Digital I/O Interface	16 output lines, 3 opto-isolated input lines
Supply	PC USB bus powered
Connectors	USB type A and D-Sub, 25 pin, male
Case	Zinc die-cast hood, nickel plated, with jack screws, weight 130 g (0.3 lbs)
Software, Included on CD	Device driver for Microsoft® Windows 32 bit & 64 bit operating system, Dynamic link library (DLL), Graphical user interface (GUI) programs, Sample VI's and FEMTO Library for use in LabVIEW™
System Requirements	Microsoft® Windows XP SP 3 or higher, compatible with Windows 10, Intel Pentium III or AMD Athlon or better, 1 GB RAM or more, 5 GB of hard disk space, USB 1.1 or 2.0 port
Optional Requirements	For development of own application programs a development environment like LabVIEW™ Version 2012 (or higher) or C/C++ is required.

PS-15-25-L Remote Power Supply

- Input voltage 100 - 240 VAC
- Output ±15 V, +500/−400 mA
- Shielded output cord with Lemo® plug
- Floating design to avoid ground loops
- Short-circuit protected
- Ripple typ. 15 mV_{RMS}
- Suitable for all FEMTO modules
- Available as European, Australian and US version



Accessories For Photoreceivers

All FEMTO photoreceivers offered with FS input (round flange with 25 mm diameter) are now also available with 1.035"-40 threaded flange (FST) input – for even more flexibility on the optical bench! For example converting the free-space FST input to an optical fiber input is easily done by screwing on one of the optionally available FEMTO fiber-adapters PRA-FC and PRA-FSMA.

The post adapter plate PRA-PAP expands the optical bread-board mounting options for FEMTO photoreceivers. Even for photoreceivers that are already equipped with post mounting threads the post adapter plate enlarges the mounting position options. Due to the integrated M4 and 8-32 UNC tapped holes, standard posts for breadboard systems can be easily mounted to the photoreceiver via the adapter plate.

The picture shows the PWPR-2K-SI-FST being easily turned into a fiber coupled model.



PRA-FC / PRA-FSMA Fiber-Adapters And Mounting Tool



- Compatible with all FEMTO photoreceivers with threaded 1.035"-40 free space input (FST)
- Easy mounting option for standard optical fibers
- Recommended for photosensitive areas of 0.4 mm diameter or more (coupling efficiency may be compromised for photodiodes with smaller diameter)
- Machined from solid stainless steel
- Available adapter types: PRA-FC (FC/PC, FC/APC, FC/UPC) and PRA-FSMA
- Additionally available: spanner wrench AT-W1 for convenient mounting of the adapters

PRA-PAP Post Adapter Plate



- Compatible with FEMTO photoreceiver series FWPR, PWPR, OE, LCA-S and HCA-S
- M4 and 8-32 UNC threads suitable for standard optical mounting posts
- High-tensile material
- Mounting screws included

CAB-LN1 Series Low Noise Cables



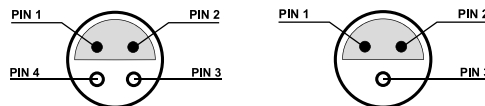
- Minimizes triboelectric and microphonic noise
- Designed for ultra sensitive current and charge measurements
- Noise level reduction by a factor of 1,000
- Highly shielding coaxial design
- Fully assembled with premium quality connectors
- Ultra high insulation resistance > 10¹⁴ Ω – guaranteed
- Variety of lengths available: from 10 cm to 5 m

APPLICATIONS

Measurements of low currents down to femtoamperes | Photodetectors and ionization detectors | High resistance measurements | Scanning probe microscopy (STM, SPM, STS) | Spectroscopy | Piezo- and pyroelectric transducers

Length	Plug BNC – BNC
0.1 m	CAB-LN1-BB-010
0.2 m	CAB-LN1-BB-020
0.5 m	CAB-LN1-BB-050
1.0 m	CAB-LN1-BB-100
1.5 m	CAB-LN1-BB-150
2.0 m	CAB-LN1-BB-200
3.0 m	CAB-LN1-BB-300
5.0 m	CAB-LN1-BB-500

Lemo[®] Connectors



- High quality connector
- 3-pin and 4-pin versions available
- For use with shielded cables
- Suitable for all FEMTO modules