Elliot Scientific

solution science for research and industry

August 2017

HOLOEYE add new dieletric SLM, completing high power-handling UV, Vis, NIR line-up

HOLOEYE's **PLUTO** phase only Spatial Light Modulators (SLMs) are based on reflective LCOS microdisplays delivering 1920 x 1080 pixel resolution with an 8 µm pixel pitch. Newly developed dielectric mirror versions enable use with higher incident power lasers due to the coating's reduction of absorption. These are:

PLUTO-UV-043: 350 to 420 nm in the UV part of the spectrum with 90% reflectivity and >2.3π; phase retardation up to 405 nm

PLUTO-VIS-056: 450 to 650 nm with 93% reflectivity and 2.5π phase retardation at 530 nm, 2.1 at 633 nm

PLUTO-NIR-049: 1000 to 1100 nm with 93% reflectivity and 2π phase retardation up to 1064 nm

PLUTO is plug & play, offering fast full digital addressing, and can be programmed with phase functions via a standard graphics card as an extended monitor device using the supplied software. For more information about them or other **HOLOEYE products**, please **contact us**.

Top class vibration isolation and optical tables from Kinetic Systems, Inc.

Kinetic Systems has been in the vibration isolation and optical table market for nearly 50 years and is regarded as a world leader in the development and application of advanced low frequency vibration control systems that provide vibration-free work environments for sensitive equipment.

The company is a trusted and valued supplier to academic, industrial, OEM and government facilities worldwide.

- Optical tables & accessories
- Workstations
- Isolation legs
- Breadboards & Platforms
- Custom & OEM products

Elliot Scientific is able to offer expert advice on selecting the best in vibration control, so please **contact us** with details of your application and we will be happy to help.

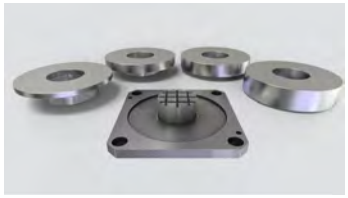
More modules for EXFO's LTB-8 Test Platform

EXFO has expanded the number of plug-in modules for their next-generation test platform, the **LTB-8**. This compact unit, equipped with an ultra-powerful processor and highly intuitive interface, gives the lab user an optimised instrument to run dedicated test applications simply and efficiently for technologies such as Ethernet, OTN, Fibre Channel, SONET/SDH and more. The current module range comprises:

- FTBx-1750 Power Meter Module
- FTBx-5245 Optical Spectrum Analyser
- FTBx-88x0 10G Multiservice module
- FTBx-88200 100G Multiservice module
- FTBx-9150 Optical Switch
- FTBx-9160 MEMS Optical Switch
- FTBx-9600 Utility Module

An upgrade path for existing users of the **IQS-600 modular test platform** has been mapped out by EXFO, enabling migration from the old to the new. For details and trade-in offers, please **contact us**.

Lake Shore Cryotronics unveils new Probe Station option kits



PS-RING-MAG-KIT

Lake Shore has introduced a novel sample holder that accepts special ring magnets to create four different vertical B field conditions at a sample's surface.

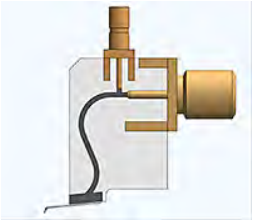
Compatible with the TTPX, CPX, CRX-4K and CRX-6.5 K **Probe Stations**†, the surface of each magnet sits 1 mm above the sample holder to provide nominal fields of 1900 G, 1770 G, 1440 G, and 850 G. Note that the space available for sample mounting is limited to a circle of 17.2 mm diameter.

Lake Shore has also introduced two parametric probe kits comprising special dual-connector probes and cables for C-V and Quasi-Kelvin measurements.

C-V Kit

The PS-PARAMETRIC-KIT-CV contains four ZN50R parametric probes each with dual connectors and specified probe tips*, one C-V cable, and two triaxial-BNC adaptors for repeatable wafer-level C-V and other impedance measurements.

C-V measurements can often be challenging due to the existing cable capacitance and errors resulting from *placement-dependent variation* in the measurement. In other words, moving the probe changes the connecting cable's impedance leading to a different measurement. These new probes alleviate this problem.



Quasi-Kelvin Kit

The PS-PARAMETRIC-KIT-QUASI-K option is optimised for low-resistance device measurements, in a similar fashion to a standard 4-wire measurement but accomplished using just two probes.

It also contains four ZN50R parametric probes, each with dual connectors and specified probe tips*, two Q-K cables, and two triaxial feedthroughs, but requires use of two probe arms to implement the 4-wire connection.

* Available probe tips are 10 µm or 25 µm tip radius in tungsten, and 5 µm in gold-coated tungsten. Replacement probes are available.

† The PS-RING-MAG-KIT is not compatible with the sub-4 K low temperature option.

For more information about these kits, please **contact us**.

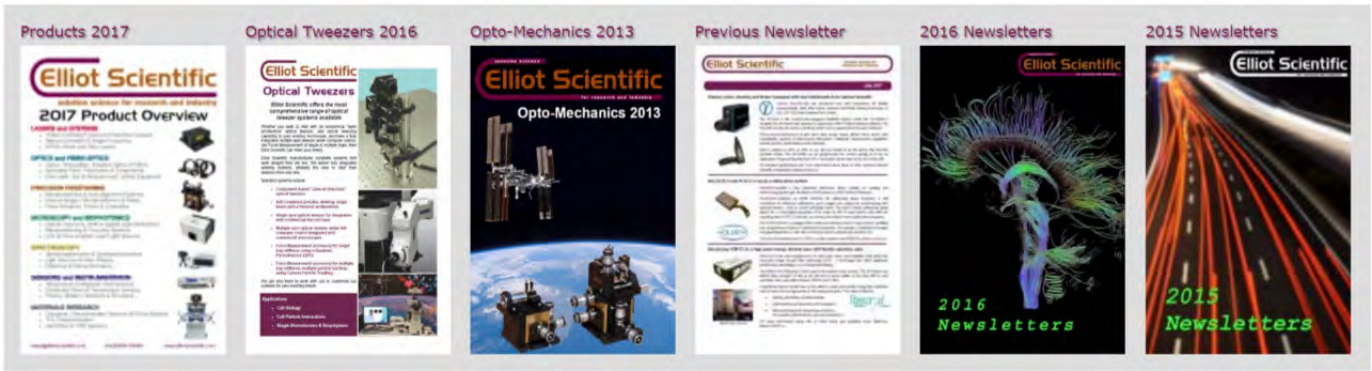
Elliot Scientific will be exhibiting at the following events next month...

QuAMP 2017

Hilton Glasgow Grosvenor Hotel: 5th and 6th September 2017

Photonics Ireland 2017

Radisson Blu Hotel, Galway: 13th to 15th September 2017



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