

New Lake Shore 240 Series precisely monitors distributed cryogenic temperature sensors



- 2 or 8 inputs
- 1 to 800 K
- Integral OLED display
- USB & PROFIBUS-DP
- Broad range of sensors

Lake Shore's new **240 Series** offers a convenient, modular input solution for precision monitoring of cryogenic temperature sensors in large-scale applications employing distributed PLC-based control. Conversion of sensor resistance/voltages to calibrated temperature units is performed automatically by the module and reported digitally to the controller via PROFIBUS-DP or Modbus.

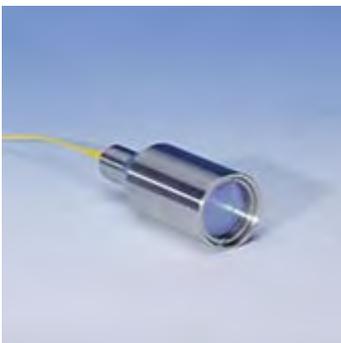
Lake Shore's benchtop cryogenic instruments are trusted throughout the world for precision measurement. Now that same measurement performance can be achieved in widely distributed *big physics* applications like particle accelerators and fusion reactors, as well as other large industrial sites.

HR (High Reliability) Sensors are a family of off-the-shelf sensors that have already undergone extreme testing for mission-critical applications. Maglev systems, space telescopes, research satellites, supercolliders, and fusion reactors are just some of the projects that would benefit from installing them.

Register your interest in these products now.



New collimators expand already broad range from Micro Laser Systems



Fixed Wavelength

The FCX20 series is based on the standard FC20 Fibre Collimator but fixed at one wavelength. They offer a highly collimated, Gaussian beam with low wavefront error and are readily available in several popular wavelengths. The FCX20 comes with a 3 mm cable terminated with an FC or FC/APC connector.

Fused Silica

The FC5S and FC10S Fused Silica versions are of a multi-element design that delivers a highly collimated, Gaussian beam with low wavefront error. The lockable adjustable focus feature enables focusing a very tight spot at a great distance, or expansion of the beam to illuminate an area.

Contact us for more info about these and other **Micro Laser Systems'** products, or download the **fibre collimators overview here**.

New Nano-ZL ideal for high-speed multiwell plate imaging, says Mad City Labs



Watch closely...
500 microns of travel in action

The **Mad City Labs'** Nano-ZL Series are long range, Z-axis nanopositioners specifically designed to hold multiwell plates used in biomedical research. High-throughput single cell fluorescence microscopy and high speed, high resolution confocal imaging can be accomplished while simultaneously adjusting the Z-axis position to remove the effects of multiwell plate irregularities.



The **Nano-ZL Series** has true flexure guided motion and contains internal position sensing for a resolution of better than 1 nm over the full 500 μm travel range, and sub-nanometer for the shorter 100 μm travel range. In addition to high resolution spatial imaging, the Nano-ZL step response allows entire Z-section acquisitions with minimal photo bleaching. For more information, please **contact us**.

New EXFO benchtop optical power meter delivers industry-leading performance



By combining the FTB-1750 power meter module with the Windows-based LTB-1 platform, EXFO's new **LTK-1** delivers a high-performance benchtop power meter solution to the lab engineer, or the production manager looking for a small, cost-effective easily automated solution.

EXFO designed the LTK-1 for performance from the outset, giving it an 85 dB range, fast stabilisation times, and the ability to simultaneously measure high and low signals on up to four channels. In addition, the instrument benefits from Ethernet connectivity and is the only one on the market to offer a touchscreen display. EXFO's industry-leading **FIP-400B inspection probe** is also available as an LTK-1 optional extra.

Contact us now for details about the LTK-1 and other EXFO instruments.

Elliot Scientific will be exhibiting next month at...



Photon 16

6th to 7th September 2016
University of Leeds



Future Photonics Industry Day 2016

13th September 2016
University of Southampton

A grid of digital assets for Elliot Scientific, including website, product overview, optical tweezers, components catalogue, newsletters, and social media icons for WordPress, LinkedIn, Facebook, Issuu, and YouTube.

Website

Product Overview 2016

Optical Tweezers 2015

Components Catalogue 2013

2015 Newsletters

2014 Newsletters

Blog

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