

February 2018

Active Vibration Isolation Systems from Accurion now available through Elliot Scientific



ACTIVE VIBRATION ISOLATION

- Active platforms
- Active workstations
- Active supports
- Acoustic enclosures
- Custom designs



ACTIVE VIBRATION ISOLATION

Accurion designs and manufactures the **Halcyonics** range of advanced vibration reduction systems for today's exacting nanotechnologies:

- **Benchtop** units for small to medium-sized applications up to 120 kg
- **Workstations** for the science or medical laboratory, for example IVF
- **Supports** for larger, heavier applications which are usually floor mounted



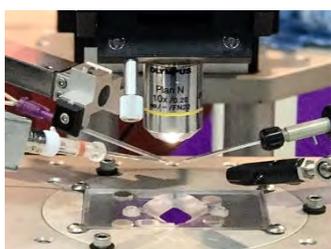
Active vibration isolation overcomes the limits of passive damping systems, enabling the attenuation of vibrations caused by machinery, people, traffic, even sound waves; that would disturb delicate instruments.

ACCURION

Elliot Scientific is now distributing these very effective anti-vibration solutions within the UK and Ireland so, whether it's high-resolution measurement or a high-precision manufacturing process, **contact us** to get the best performance from your equipment.

For more information about Accurion's technology, you can download and read their **Principles of Antivibration**.

Siskiyou MX-Series Manipulators for smoother probe positioning in the Life Sciences



[Click for the bigger picture](#)

In electrophysiology, positioning probes for patch and intracellular recording is a fine art. So, to improve your chances of success, **Siskiyou** offer a range of well-proven manipulators ideal for such tasks.

With single and 4-axis devices, Siskiyou's **MX series** of manually operated manipulators enable the life scientist to place probes quickly and accurately.

Most feature coarse controls for fast positioning, with fine movement achieved through precision adjuster screws. Colour coded controls aid low light operation.

The smoothness, accuracy and range of travel of the probe is determined by the construction of the manipulator, so Siskiyou offer different bearing configurations such as dovetail, ball and crossed-roller systems. Each has its own advantages and costs.

For even smoother operation, Siskiyou manufacture special hydraulic manipulators that deliver instant response with sub-micron resolution and minimal drift at the output across the entire range of travel.

Please **contact us** for more information.



Lake Shore Cryotronics offers world-class temperature measurement systems...

Model 211: Accurate single-channel temperature monitoring



Lake Shore's Model 211 single-channel temperature monitor provides the accuracy, resolution, and interface features of a benchtop temperature monitor in an easy to use, easily integrated, compact instrument. With appropriate sensors, the Model 211 measures temperature from 1.4 K to 800 K including temperatures in high vacuum and magnetic fields.

Alarms, relays, user-configurable analogue voltage or current output, and a serial interface are standard features on the Model 211. It is a good choice for liquefied gas storage and monitoring, cryopump control, cryo-cooler, and materials science applications, and for applications that require greater accuracy than thermocouples allow.

Model 218: Eight channels of versatile temperature monitoring



Lake Shore's Model 218 is a very versatile temperature monitor. With eight sensor inputs, it can be used with nearly any diode or resistive temperature sensor. It displays all eight channels continuously in K, °C, V or Ω.

The input was designed for the demands of cryogenic temperature measurement, however, the monitor's low noise, high resolution, and wide operating range make it ideal for non-cryogenic applications as well.

Model 224: Twelve channels of precision low temperature measurement



Lake Shore's Model 224 temperature monitor offers precision measurement in a wide range of cryogenic and higher-temperature applications with the ability to easily monitor up to 12 sensor channels. It provides better measurement performance in applications where researchers need to ensure accuracy and precision in their low cryogenic temperature monitoring.

Used with Lake Shore's Cernox™ sensors, the Model 224 enables reliable and repeatable temperature measurement over a broad range and as low as 300 mK.

240 Series: Precisely monitoring distributed cryogenic temperature sensors



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

Lake Shore's 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.

For peace of mind, Lake Shore back all their equipment with a three-year warranty. Please **contact us** for further details.



Latest from EXFO: An Optical Spectrum Analyser and a PON-aware™ Power Meter



FTB-5235 Optical Spectrum Analyser

The new FTB-5235 Optical Spectrum Analyser from EXFO is a compact, entry-level optical spectrum analyser (OSA) ideal for a variety of field applications, including DWDM and CWDM network commissioning and troubleshooting.



With the largest screen in the industry, and an intuitive user interface, the FTB-5235 offers power and wavelength measurements, has a WDM and drift mode, is capable of OSNR testing (IEC 61280-2-9) and also offline post-processing.

PPM-350D PON Power Meter

EXFO's new PPM-350D has been designed to fulfil the field technicians need to know what's what. As communications service providers (CSPs) deploy next-gen technologies onto legacy passive optical networks (PON), by overlaying new wavelengths on existing lines, it is necessary to quickly determine what's being squirted down a fibre. The PPM-350D PON Power Meter automatically detects the PON technology in use and adapts its test parameters to match.

The PPM-350D is compatible with GPON and EPON, can handle single- and multi-layer PON, has a pass-through mode for ONT/ONU verification, and supports 10G. It also comes with a smart App, Bluetooth and USB.

Please **contact us** for more information about these or other **test and measurement instruments from EXFO**.





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