

PRODUCTS

If you would like your company's products to be featured in this section, please send press releases and images to James Tyrrell (james.tyrrell@iop.org).

Resonant frequency-doubler

Tekhnoscan



Russian firm Tekhnoscan has introduced a resonant frequency-doubler for continuous-wave single-frequency sources,

including diode-pumped solid-state lasers. Dubbed FD-SF-07, the unit's smart auto-rotate function is said to enable more efficient laser-wavelength conversion from the visible and near-infrared ranges to the blue and ultraviolet regions. High-quality mirrors and an optimized resonator design provide a relatively high level of second-harmonic power output.

Pumped with 1 W of fundamental radiation power, the doubler module produces more than 250 mW between 700 and 950 nm, 200 mW from 550 to 700 nm, and greater than 150 mW over the 500–550 nm range. According to the company, the unit is simple to operate, with components arranged on a single baseplate.

www.tekhnoscan.ru

Nanopositioning stage

Piezosystem jena



Piezosystem jena of Germany has released its "nanoX" series of compact nanopositioning stages. Driven by a bi-

directional gear design, the stages are said to suit fast, dynamic applications and include an actively controlled acceleration function (rise time of less than 1 ms). Units offer a range of travel of up to 480 μm and include a selection of pin and drill mounting holes for easy integration into an existing assembly. Typical applications include metrology, mask alignment and scanning microscopy.

www.piezojena.com

Rubidium frequency standard

Thurlby Thandar Instruments



Stanford Research Systems' FS725 benchtop rubidium frequency standard is

now available from Thurlby Thandar Instruments, UK. Housed in a compact half-width 2U chassis, the FS725 includes a rubidium oscillator, low-noise AC power supply and distribution amplifiers. Up to three internal distribution modules can be added to the unit, with each module having four 10 MHz outputs, one 5 MHz output and a single 1 pps pulsed output. Two alarm relays indicate the status of the oscillator lock state, and an RS-232 interface provides

access to the unit's timing functions via Windows-compatible software.

www.tti-test.com

Laser safety-curtain

LaserVision



The German laser protection expert LaserVision has developed a laser safety-curtain that blocks wavelengths between 180 and 10 600 nm. Tested and approved according to DIN/EN 12254, the curtain is based on a

lamella design and comes complete with a mobile frame. The safety curtain can be configured into several parts to span a width of 4400 mm and is available in a standard size of 1900 \times 2850 mm. Highly absorptive and fire-resistant, the curtain is made from a silicon-based material that is said to resist aging and caustic and acidic solutions, as well as high and low temperatures.

www.lvg.com

Calibration light source

Light Tec



Gamma Scientific, represented in Europe by Light Tec of France, has introduced a digital light source for colour calibration. A replacement for tungsten lamps and

filters, the RS-5B's 16-bit colour-tunable output can be set to cover all or any portion of the UV, visible or near-IR region. Linearity and uniformity are better than 0.1% RMS over the 0–65 535 intensity range, with a settling time of less than 0.1 s. Light-level setting is performed in absolute, NIST-traceable, radiometric and photometric units, and the device can be used stand-alone or with a computer via a simple command interface. The instrument can run continuously for thousands of hours and is said by its makers to last 100 times longer than tungsten sources.

Applications include the calibration of solid-state light sources, photodiodes, imaging systems and CCD/CMOS sensors.

www.lighttec.fr

PERFORMANCE / PRECISION / VALUE

Expect More.

From our comprehensive line of integrating sphere light measurement systems, to our highly regarded diffuse reflectance standards and targets, expect nothing but state-of-the-art technology, high performance and accurate results, at a price less than you'd expect!

SphereOptics is your source for:

- Integrating Sphere Components
- Laser Power Measurement Systems
- Goniophotometers
- Diffusion Material
- Custom Design Capabilities
- Lamp Flux Measurement Systems
- Luminance/Radiance Standards
- Reflectance Standards
- Calibration Services

Contact us today for more information

SphereOptics US Headquarters: 603-746-2000 / US Sales: 858-695-2895
Germany: +49 (0) 7556-9299666 / France: +33 (0) 1 69 07 21 84
www.sphereoptics.com