Wand Photodiode Sensors

Newport Corporation, an industry leader in optical power measurement, introduces the most advanced 918D-ST series wand photodiode sensors available. The new design features a thin profile wand detector in a sturdy metal housing with integrated calibration-data storage and an automatic OD3 attenuator On/Off position sensor. Similar to Newport's family of 918D series detectors, the new 918D-ST series features built-in temperature sensing electronics to compensate for temperature variation. The 918D-ST-IR wand operates from 780 nm to 1800 nm, the 918D-ST-SL from 400 nm to 1100 nm, and the 918D-ST-UV from 200 nm to 1100 nm.

A large area 10 mm x 10 mm silicon, UV-enhanced silicon, or germanium photodetector combines with the ergonomic case design, making the new wand photodiodes ideal for applications in laser and other optical power measurements, where access or space is limited. Newport's rigorous calibration system offers the best value for detectors with the smallest calibration uncertainty. When used with select advanced power meter models from Newport, the new 918D-ST series detectors allow the user to change position of the attenuator without having to reconfigure the power meter, and it permits more accurate measurements by auto-adjusting the responsivity of the photodiode.

The new wand detectors are available for shipping now with a NIST-traced calibration report that details individual detector responsivity, measured with and without attenuator.

Newport Corporation
www.newport.com [1]

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