

**PRESS RELEASE**

November 10<sup>th</sup>, 2011  
For Immediate Release

## Gentec-EO launches new Large Size Power Detector for Highly Energetic Pulsed Lasers

**Quebec City, CANADA – November 10<sup>th</sup>, 2011 – Gentec Electro-Optics, Inc.** (Quebec City, Canada), has just launched a new large size volume absorber power detector, with a 55 mm  $\varnothing$  aperture to accommodate the largest beams. This very special detector is based on Gentec-EO's **unique Volume Absorber technology** that has unsurpassed performances. This absorber technology is designed to sustain the high peak powers combined to the high energy per pulse that is characteristic of **high energy solid state lasers**.

The new **UP55N-VR** family is available with 4 different cooling modules to measure continuous average powers ranging from 50 W with the standalone version, to 200 W with the water-cooling module. As all the other thermopile detectors of Gentec-EO, it can also be used to measure single shot energy, up to 200 Joules/pulse.

### Main Specifications:

Max Average Power:	Up to 200 W
Max Energy in Single Shot:	200 J
Effective Aperture:	55 mm $\varnothing$
Max Energy Density:	Up to 40 J/cm <sup>2</sup> (360 $\mu$ s pulses @ 5 Hz, 1064 nm)
Max Average Power Dens.:	700 W/cm <sup>2</sup>



### About Gentec Electro-Optics

Located in Quebec City, Canada, Gentec Electro-Optics is a leader in the laser measurement field with 40 years of experience. In 2000, Gentec Electro-Optics, Inc. was formed from Gentec, Inc. so that the focus was entirely on laser measurement. The company now manufactures a complete range of laser power and energy meters, beam diagnostics and diffractive optics. Since the acquisition of Spectrum Detector in June 2010, they have added many products to the range, including high speed 130 kHz joulemeters and a unique industry leading line of THz sensors and instruments. Gentec Electro-Optics is also known as the first worldwide supplier of large aperture calorimeters to measure the highest pulse energies. Their products are sold around the world, with distributors and representatives in over 35 countries.



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