

Press release

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Optronic infrared test systems for industry, laboratories and security: **Laser 2000 offers new Differential Blackbody** **for precise and smart calibrations**

The reliability of a calibration is strongly dependent on the precision and homogeneity of the reference source.

The completely new driver electronic of the DCN1000 is controlling the temperature of the emitting surface with a resolution of 0,001°C leading to reliable calibration values. Absolute temperatures between +5°C and +100°C or temperature differences from -20°C to +75°C compared to the ambient can be quickly achieved.



Laser 2000 offer a wide range of optronic infrared test systems developed for industry, laboratories and security

Standard emissive areas between 50 mm x 50mm to 300x300mm² are available, as well as special dimensions. The special texture of the surface suppresses reflections very efficiently and improves the emission pattern to a lambertian shape. In addition to that the homogeneity of the surface temperature and the precise control loop allow precise characterization of IR-detectors and regarding MRTD, NETD, MTF etc.

Test cycles and short measurement procedures can be easily programmed by touch screen. More elaborated and complex applications may be served by using the USB, IEEE-488, RS-232 interfaces with the DLL library. Obviously all blackbodies from HGH may be controlled with the same set of commands. As a result upgrades to other temperature ranges or emission areas will be easily realized without changes of the measurement program itself.

For further information please contact:

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