

Press Release

Instrument Systems expands series of calibration standards

New calibration standard series ACS-570 for the calibration of luminous flux and intensity of LEDs

Munich, March 2017 – Instrument Systems unveils a new calibration standard of the ACS-570 series. Together with the PSU 10 controller, the Munich-based manufacturer of light measurement technology offers its own all-in-one solution for the calibration of luminous flux and luminous intensity of measurement systems.

The measurement systems supplied by Instrument Systems can be simply and reliably checked with the LED calibration standards of the ACS-570 series, and if necessary recalibrated in relation to the absolute photometric value. Luminous flux and averaged LED intensity are calibrated according to the CIE 127:2007 substitution method. The test labs of Instrument Systems, accredited to ISO 17025, guarantee a high degree of precision and direct traceability to the national reference standard of the German National Metrology Institute (PTB).

Thanks to its particularly fast operational readiness and long service life, the ACS-570 series is suitable for diverse laboratory uses and challenging demands in the production environment.

Optimized thermal management guarantees reproducibility and a permanently stable optical radiant flux of the LED calibration standard. The LED and temperature control system are housed in a casing with low thermal conductivity and thus insensitive to external temperature fluctuations.

Through the combination of the new calibration standard with the PSU 10 power and TEC control unit, Instrument Systems offers an all-in-one solution with fast temperature control and high stability of the operating current. Alternatively, the ACS-570 calibration standard can also be used with power sources and TEC controllers of other manufacturers.

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Figure 1: Calibration standard ACS-570 with compact PSU 10 power and TEC control unit

Company profile of Instrument Systems GmbH

Instrument Systems was founded in 1986 and is based in Munich, Germany. The company develops, manufactures and markets turnkey solutions for light measurement. Instrument Systems delivers a comprehensive range of light measuring products for industrial and research applications. These include high-performance array and scanning spectrometers, as well as imaging photometers and colorimeters. Key applications are LED/SSL and display measurement, as well as spectroradiometry and photometry. Today Instrument Systems is one of the world's leading manufacturers in this area. The associated Optronics Division, located in Berlin, develops and markets photometric test equipment specifically for the automotive industry and transport sector. About 85% of sales are generated by the export business. Since 2012 Instrument Systems has been a wholly owned subsidiary of the Konica Minolta Group.

For further details or photos/illustrations:

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