

KS- J1011

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our business



APPLICATION

The portable field calibrator KS-J1011 is an enclosed spectral irradiance standard source for performing absolute calibrations. It can be used in the laboratory and in the field with a wide range of optical detectors.

The calibrator is based on a development by the Physikalisch-Technische Bundesanstalt (PTB) with further improvements regarding reliability during field measurements. Calibrations in horizontal and vertical alignments can be performed.

The KS-J1011 is fitted with a 200 W quartz halogen lamp. The lamp is already aged and is mounted on a special adaptor, which allows a quick and mechanically exact change by conservation of each individual absolute calibration for different lamps. The lamp requires a precision constant current power supply. Special placed apertures inside the calibrator make it possible to use the system in different distances to any optical detector without stray light problems.

Replacement lamps, different adaptor tubes and transportation bag are available.

A scientific description of the calibrator is published in 'Metrologia 40 / 2003 / S66-S69, J. Metzdorf, K.D. Stock, P. Sperfeld, A. Sperling, S. Winter and T. Wittich. Aspects of quality assurance in monitoring solar UV irradiance'.

SPECIFICATION

Measurement type	spectral irradiance
Wavelength range	250 nm – 2500 nm
Lamp	200 W / 6.3 A
Temperature regulation	

Physical data

Weight	3.7 kg
Size	135 mm x 135 mm x 260 mm
Material	anodised aluminium

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