X-Cite® Radiometer

Calibrated illumination – for absolute repeatability

The X-Cite® Radiometer enables calibration of the X-Cite® *exacte* fluorescence illuminator, for the ultimate in repeatability, stability, control and consistency. Use the Radiometer to instantly upgrade the X-Cite® *exacte* to a new level of performance - and with no other hardware or software required, it could not be easier.

X-Cite® is used and trusted by respected labs and researchers all over the world. Wherever critical microscopy illumination is required, professionals ask for X-Cite®.

CELEBRATING OVER 25 YEARS Est. 2004

EXFO
Life Sciences & Industrial Division
putting you in control

X-Cite® exacte

X-Cite® Radiometer

Repeatable, Controlled Output

It is a fact that mercury lamp output degrades over time, and working in relative units (% of lamp output) means intensity settings are not easily repeatable. Calibrate the X-Cite® *exacte* with the X-Cite® Radiometer and set output power in watts for repeatable intensity levels. This unique feature provides absolute illumination consistency – always.

Why use calibrated illumination?

- Ensure repeatability of experiments, including illumination levels - the heart of great research
- Ideal for applications involving comparisons to control specimens, quantitative images or time-lapse sequences

Use with Multiple Illuminators

One radiometer can be used to calibrate several X-Cite® *exacte* units, making it ideal for normalizing output at imaging facilities employing multiple illuminators.

Preventative Maintenance

Monitoring lamp and light guide degradation allows the timely ordering of replacements.

Calibrated Using Certified Transfer Standard

Radiometer calibrations are traceable to NIST[1]. Each Radiometer is calibrated according to a strict protocol and accompanied by a certificate of calibration.

SPECIFICATIONS

Wavelength Range	350nm – 675nm (standard calibration) 250nm – 1µm (with custom calibration)
Measurement Range	1mW – 12W
Resolution	1mW
Accuracy	±5% typical[2]
Battery	3.6V Li
Functions	Power Measurement, Irradiance Measurement, Relative/Absolute Modes, X-Cite® *exacte* Calibration, External Input, Auto Shut-off, Auto Light Guide Detection, Calibration Due Message
Dimensions (L x W x H)	7.5" x 4.5" x 2" / 19cm x 11.5cm x 5cm
Weight	1lb / 450g
Certifications	CE marked, certified to IEC, Canadian and US Standards
Warranty	1 year
Patents	X-Cite® Radiometer incorporates technology protected by the following patents: US# 6,437,861; US# 7,335,901

[1]National Institute of Standards and Technology. [2]Calibration of Radiometer is recommended every twelve months. Contact EXFO Life Sciences & Industrial Division for further information.

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PLEASE NOTE: Hg-LAMP CONTAINS MERCURY, Manage in Accord with Disposal Laws, See: www.lamprecycle.org or 1-800-668-8752