SDI | RADIOMETER X

LED LIGHT CURING METER

»An excellent device. The larger sweet-spot area for reading makes it possible to capture the light of tips with different diameters.«

Dr Carlos José Soares, DDS, MSc, PhD
Professor and Chair Operative Dentistry and Dental Materials Department School of Dentistry Federal University of Uberlândia - Brazil

SIMPLICITY AND ACCURACY

Over time, all LED curing lights will lose intensity, resulting in premature restoration failures. It is essential to regularly test your curing lights to ensure they continually perform at the optimal intensity.

» Inadequate light curing can lead to reduced bond strength, microleakage, post-operative sensitivity, pulpal toxicity, recurrent caries, lack of colour stability, increased wear, and fracture.† «

Strassler, Howard & Price, Richard. (2014)

FOR ALL LED-CURING LIGHTS

Radiometer X is compatible with all curing lights. It is designed to measure the crucial light intensity between the 380-550 nanometers wavelength range. Radiometer X provides readings between 300 to 3,000 mW/cm^2.

NO CALIBRATION REQUIRED

While other radiometers require manual calibration between different lens widths, Radiometer X is engineered to automatically adjust to all lens diameters.

The automatic adjustment eliminates the possibility for user errors, ensuring optimal accuracy.

The reading output is highlighted with large visible numbers for easy reading.

ACCURATE OFF-CENTRE READINGS

While other radiometers display significantly different readings for curing lights that are tested only a few degrees off-centre, Radiometer X has a wide angle tolerance zone.

The larger 'sweet-spot' results in more precise readings by eliminating off-centre differences.

SMART TECHNOLOGY

The digital display powers on and off automatically for longer battery life.

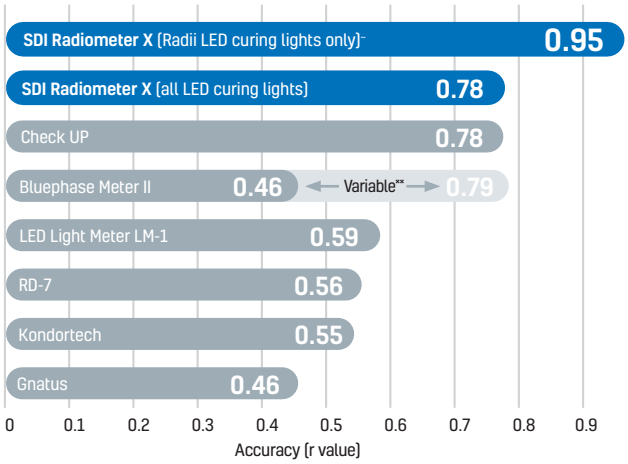
LIGHTWEIGHT AND COMPACT

Weighing only 125g / 4.4oz, the ergonomically designed Radiometer X is easy to carry and store in any dental practice.

OUTSTANDING ACCURACY

Results from a study of 7 radiometers and 23 curing lights confirmed that Radiometer X has outstanding accuracy compared to its peers - some of which are extremely expensive and slower units.

When combined with the SDI Radii LED curing light range, the Radiometer X delivers an accuracy (r value) of 0.95 , ensuring the most accurate reading.



Source: Dr Carlos Jose Soares (PhD)

~ Radii Plus; Radii Cal; Radii Xpert/Monowave tip; Radii Xpert/Multiwave tip.

** Bluephase Meter II includes a LED diameter checker. Accuracy readings will vary if the user enters an incorrect diameter or includes the LED casing as part of the diameter.

SPECIFICATIONS

Warranty	2 years
Off-centre reading compatibility	Yes
Wavelength range	380 - 550 nm
Light intensity	300 - 3,000 mW/cm^2
Weight	125g / 4.4oz

ORDER DETAILS

1 x Radiometer X 1 x Alkaline 9v Battery (included)	5600029

† Strassler, Howard & Price, Richard. (2014). Understanding light curing, Part I. Delivering predictable and successful restorations. Dentistry today. 33. 114, 116, 118 passim; quiz 121.

SDI

YOUR SMILE. **OUR VISION.**

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