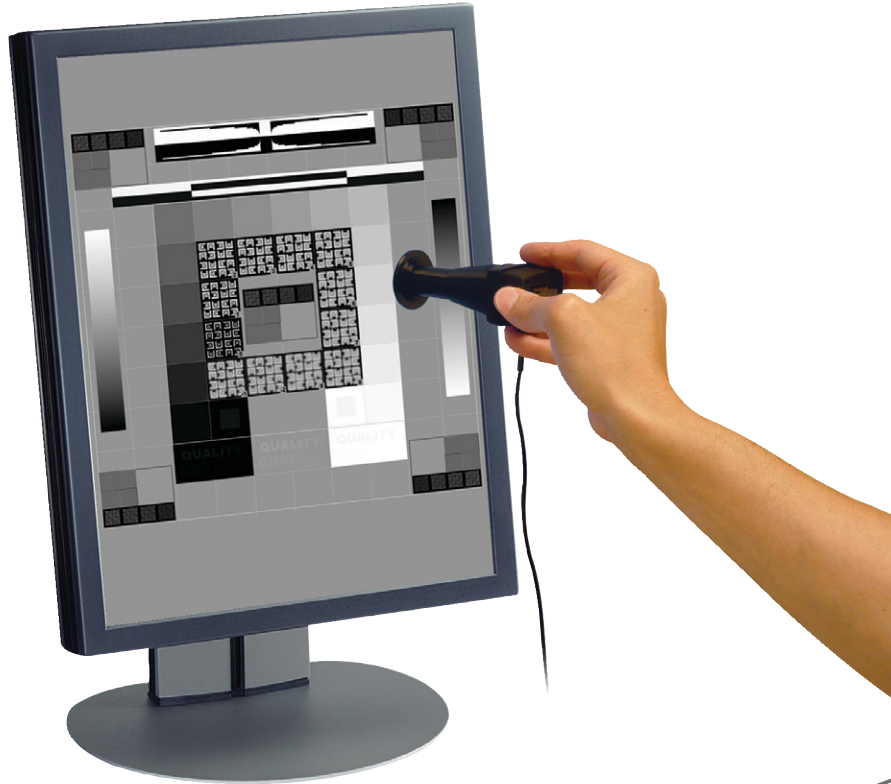


Lightmeter- for both Luminance & Illuminance measurements



RADCAL ACCU-GOLD LIGHTMETER

In the diagnostic imaging environment, the Radcal lightmeter measures the luminance level (brightness) and uniformity of back-lighted display screens, plus the illuminance level of the ambient light incident upon the screen surface. The meter displays photometric parameters in metric (SI) units.



KEY FEATURES

- Multi function connectivity.
- Surface luminance and ambient light cosine-corrected illuminance.
- Easily connect to your computer.
- Unlimited measurement storage & data recall.
- Correctly evaluates the ambient light sources regardless of their angle of incidence to the display surface.

THE GOLD STANDARD IN RADIATION MEASUREMENT

ACCU-GOLD LIGHTMETER KEY FEATURES AND BENEFITS:

TYPE - Portable, hand-held lightmeter for the measurement of display surface luminance and ambient light cosine-corrected illuminance. Designed only as an accessory to the Accu-Gold.

MEASURING CAPABILITY - Measures luminance level in candela per square meter (nits) units and ambient light level in lux units.

LIGHT SENSOR - The base unit of the light meter contains a silicon photo-diode that can be exposed to ambient light through an optical filter, which very accurately simulates the spectral response of the human eye's photopic response in order to measure illuminance in lux units. A Luminance adapter can be attached to the Illuminance base sensor above the photo-diode for the measurement of luminance in cd/m^2 through an aperture with a 10-mm diameter. Accu-Gold automatically detects the presence or absence of the Luminance adapter and selects the appropriate units.



SPECIFICATIONS / TECHNICAL DATA:

All specifications subject to change.

Luminance range:	0.05 to 50,000 cd/m^2
Resolution:	0.01 cd/m^2
Illuminance range:	0.05 to 50,000 lux
Resolution:	0.01 lux
Luminance aperture:	\varnothing 10 mm measuring field. Contact measurement focusing lens 1:1
Calibration uncertainty:	< 3% of value or 0.05, whichever is greater, relative to Illuminant A
Calibration traceability:	Traceable to NIST and international standards
Photopic response:	< 4% (Deviation from 1931 CIE photopic curve standard)
Cosine response:	< 4% (CIE f2 test)