

We Save  
your Precious



# We Save your Precious

Novos Tıbbi Cihazlar Sanayi Ticaret İthalat Ve İhracat Limited Şirketi  
İvedik Osb Mahallesi 1518. Cad. Matbaacılar Sitesi Sit. No: 2/39 Yenimahalle, Ankara, Turkey  
Tel: +90 312 384 15 88  
Fax: +90 312 384 15 98





We Save  
your Precious



We Save  
your Precious



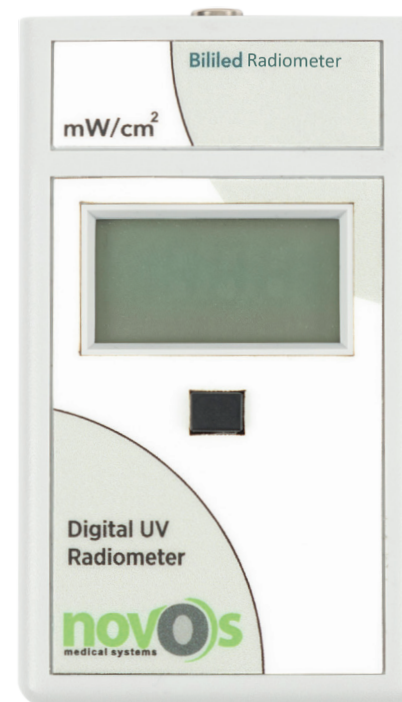
## Applications

- Monitoring Bilirubin Light Intensity and Aging
- Monitoring Blue Light / LED Intensity and Aging
- Monitoring Lamp Intensity and Aging
- Monitoring Acne Lamp Intensity and Aging
- Measuring Photosynthetic Action Spectrum Blue Band
- Measuring Outdoor Blue Light
- Testing Eyewear Actinic Blocking Capabilities

## Features And Benefits

- Compact, Handheld, and Durable
- Simple Single-Button Operation
- NIST Traceable Accuracy
- LCD Display

## Handheld Digital Bilired Radiometer With Integral



### Sensor

GaP Photodiode packaged in hermetically sealed UV glass window cap. Filter used to narrow Response as shown on the Spectral Response Graph.

### Meter Operation

To operate your Bilired Radiometer, aim the sensor window located on the top panel of the meter directly at a source. Press and hold the push-button switch on the face of the meter. For best results take note of the distance the reading was taken from the source in order to endure repeatable results.

Battery operation voltage is viable from 9V down to 6.5V. Below 6.5V, the numbers on the LCD display will begin to dim, indicating the need for battery replacement. Under typical service load, a standard 9V battery will last approximately 2 years.

## Proper Usage Of Bilired Radiometer Meter Blue Light Radiometer

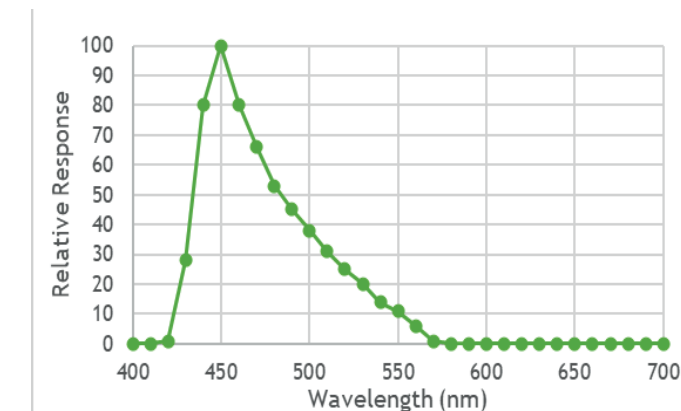
- Wear actinic eye protection when checking intense light sources.
- Allow lights to warm-up prior to taking readings (at least 5 min).
- For individual light intensity, hold meter close to LED or lamp.
- For effective light intensity, hold meter at working distance from the light source.
- When checking aging of lights, keep measuring distance and location constant.
- Lights should be replaced when output drops to about 70% of their original (new) readings

## Proper Usage

- If unsure of what new values were, replace an adjacent light with a new identical one and compare the two.
- Do not subject the meter to extremes in temperature, humidity, shock, or dust.
- Use a dry, soft cloth to clean the instrument. Keep the sensor free oil, dirt, etc.

## Specifications

Model	Bilired Radiometer
Irradiation Range	0-199.9 mW/cm <sup>2</sup>
Peak Response	98% at 450 nm
Response	422-499 nm Red Light
Resolution	0.1 mW/cm <sup>2</sup>
Conversion Rate	3.0 Readings / Sec
Display	3.5 Digit LCD
Digit Size	0.4" / 10.2 mm
Operational Temperature	+32°-100°F / 0°-37.8°C
Operational Humidity	5% to 100% RH
Accuracy	±10% Ref. NIST
Meter Dimensions	4.2L x 2.4W x 0.9Din/ 106.7L x 61W x 22.9D mm
Weight	4.5 oz / 128g Including Battery
Power Source	9-Volt DC Battery
Lens	UV Glass
Diffuser	Teflon
Detector	GaP Photodiode with Filter



Bilired Radiometer Spectral Response

Proven quality and 100 % customer satisfaction. Having a very strict quality policy brought us 100 percent customer satisfaction. Novos will continue to design and manufacture high quality products for newborn care; all you have to do is just focusing on your patients.

NOVOS Medical reserves the right to make changes without notice in design, specifications and models. The quality management system at NOVOS Medical Systems is certified according to ISO 13485 and product is certified in accordance with Medical Device Directive (93/42/EEC).