

UVe-Lux EVOLUTION

The UVe-Lux is a new digital Radiometer / Photometer which features an advanced microprocessor controlled readout unit with a dual-wavelength sensor to measure both Ultraviolet and Visible White Light. UVe Lux is a compact, lightweight and robust meter specifically designed for NDT.

Applications:

While the UVe-Lux Evolution can be used wherever UV and visible light intensity needs to be measured, its principal application is non-destructive testing in such diverse fields as aerospace, defence, offshore and automotive industries.

- Easy to Operate
- Menu-driven set up
- Auto-ranging on both UV and Visible scales
- Automatic zeroing, integration and signal hold

The single sensor measures UV and White Light simultaneously-no repositioning required. The spectral response of the white light sensor conforms to the CIE (λ) curve. The sensor is only sensitive to UV-A light with a peak response at 365nm.

Key Features

- Provides readouts for UV-A and White Light
- Log up to 1000 results and export to Excel via USB PC connectivity
- Overall accuracy greater than $\pm 5\%$
- Complies with EN ISO 3059 and BS667 specifications
- User defined power save with automatic shut off
- Rugged meter housing with dust/splash proof case protected to IP65
- Sealed sensor housing and USB connection with water-resistant adaptor
- Compact, lightweight and battery-operated for convenient use in the factory, field or other location.
- Rechargeable battery via mains charger or USB with battery life > 20 hours
- Supplied with readout unit, dual wavelength sensor, USB cable, charger and carrying case
- Calibration Service and Software is available for this product

Specifications:

Readout Unit	
Screen	4 Digit Auto Ranging Display 18 x 64 dot pixel chip on glass STN transmissive colour LCD 2.8" (7.1cm) backlit illumination
Power Requirement's	2 x AA NiMh/Primary
Dimensions	155 x 95 x 35mm
Weight	320 gr (350 gr incl. batteries)
Moisture / dustproof	IP65
Dual UV-A/Visible Sensor Detector	
Dimensions	85 x 46 x 16mm
USB cable length	735mm
UV-A Sensor	range: 1 $\mu\text{W}/\text{cm}^2$ - 10.000 $\mu\text{W}/\text{cm}^2$, resolution: 1 $\mu\text{W}/\text{cm}^2$, accuracy: < 5% (spectral Range 320 – 400nm)
Visible Sensor	0.1 lux - 5.000 lux (also fc), resolution 0,1 lux, accuracy: < 5%

