

# LUMAFLEX

## COMBINED DUAL UV & WHITE LIGHT AND TANGENTIAL FIELD STRENGTH METER



- Two instruments in one saving on purchase cost.
- Reduced calibration costs.
- Excellent accuracy in all measurement modes.
- Lightweight, compact, housed in a rugged enclosure.
- Battery powered.
- Ergonomically designed, protective rubber boot.
- Full colour programmable display.
- Programmable calibration reminder.
- Separate probes and cable for convenience, lower spares and maintenance costs.

Baugh & Weedon is pleased to present the LumaFlux, a truly Innovative NDT Product. The LumaFlux is a combined Dual UV / White Light Meter and Tangential Field Strength Meter in one rugged Instrumentation package.

With an easy “Swap & Go” system to change Sensors, the LumaFlux rapidly switches between all the established functions of the LumaCheck Dual UV & White Light Meter and the unique benefits of the MagnaCheck 3D Tangential Field Strength Meter. The LumaFlux automatically recognises the Sensor that is connected meaning that the unit operates in the selected mode until the sensors are swapped.

The good news is that the LumaFlux has the same robust enclosure and sensors as the two predecessor products and, of course, all the same benefits in measurement accuracy and

efficiency. However, the LumaFlux is available at a price that is approximately 15% less than purchasing two separate meters. Not only is there a saving in capital cost, but the calibration costs for the LumaFlux will also typically prove to be significantly cheaper than calibrating two separate meters.

The **LumaFlux Kit** includes the LumaFlux Instrument, Dual UV & White Light Sensor, 3D Tangential Field Strength Probe, Probe Lead, Metal Null Pot and quality carry case.



## Specification - Dual UV & White Light Meter Function (LumaCheck)

Feature	Details	
Measurement Range	White Light UV Light	5 lux to 10,000 lux 0 to 10,000 $\mu\text{W}/\text{cm}^2$
Resolution	White Light UV Light	0.1 lux below 10 lux 0.15 to 10 $\mu\text{W}/\text{cm}^2$ (micro watts per square centimetre)
Units	White Light UV Light	Foot Candles (ft-c or fc or lm/ft) or Lux $\mu\text{W}/\text{cm}^2$ (micro watts per square centimetre)
Display	70mm (2.8") 320 x 240 colour display. LCD with selectable backlight	
Screen	5 readings per second	
Conversion rate	100 ms	
Resolution	Up to 0.1 Lux & 0.1 $\mu\text{W}/\text{cm}^2$ (configurable)	
Dimensions	163mm (6.4") (h) x 80mm (3") (w) x 25mm (1.0") (d) With rubber boot: 168mm (6.6") (h) x 85mm (3.3") (w) x 30mm (1.2") (d)	
Weight	350g (0.77lbs) including batteries.	
Power	2 x 1.5V AA Alkaline batteries	
PC Connectivity	USB or mains charging capabilities	
IP Standard	IP54	
Resolution	Adjustable in Menu system	
Overall Accuracy	+/- 3% measured against primary standard	
Temperature Co-efficient	less than +/- 0.01%/C (0 to 50°C)	
Irradiance Range	UV-A 0-10000 $\mu\text{W}/\text{cm}^2$ Visible: 0 -10,000 lux	
Spectral Range	UV-A 320-400nm, Visible 460-680nm	

## Specification - Tangential Field Strength Meter Function (MagnaCheck 3D)

Feature	Details
Measurement Range	To 2000 Gauss
Units	Gauss, m Tesla, Ka/m
Measurement Modes	DC, AC, Peak, True RMS
Peak Hold Mode	Off, 1, 2, 5 and 10 seconds
MPI Bench Support	True RMS for Thyristor switched fields
Measurement Sample Rate	70 samples/second
Measurement Resolution	0.16 Gauss
Measurement Accuracy	1%
Probe Types	3D Auto recognition
Sensor Calibration	Stored digitally in the probe.
Standards Compliance	ASTM E1444/1444M-16 and EN ISO 9934-3
Zeroing	Manual Zero with null pot (supplied)
Display Type	Colour LCD with selectable backlight
Display Size & Resolution	70mm (2.8") 32- x 240 pixels
Power	2 x 1.5V AA batteries
Typical battery life	In excess of 10 hours (continuous use)
Instrument Dimensions	163mm (6.4") (h) x 80mm (3") (w) x 25mm (1.0") (d) With rubber boot: 168mm (6.6") (h) x 85mm (3.3") (w) x 30mm (1.2") (d)
Weight	350g (0.77lbs) including batteries.

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