LUMAFLUX

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 uW/cm^2
Resolution	White Light UV Light	0.1 lux below 10 lux 0.15 to 10μW/cm^2 (micro watts per square centimetre)
Units	White Light UV Light	Foot Candles (ft-c or fc or lm/ft) or Lux μW/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 μW/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^{o}C)
Irradiance Range		UV-A 0-10000 μW/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)

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