



LUMAFLUX

COMBINED DUAL UV & WHITE LIGHT AND TANGENTIAL FIELD STRENGTH METER

- Two instruments in one allowing you to save on purchase cost.
- Reduced calibration costs.
- Excellent accuracy and results in all measurement modes.
- Lightweight, compact, housed in a rugged enclosure.
- Battery powered.
- Ergonomically designed partnered with a protective rubber boot.
- Full colour programmable display.
- Programmable calibration reminder.
- Separate probes and separate cable for convenience and 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.

The **LumaCheck** has been adopted by many of the worlds’ major NDT users over recent years and offers precise measurement of UV and White Light intensity. The LumaCheck has already proven to be extremely rugged and durable in field use with extremely low “lifetime cost of ownership”.

The **MagnaCheck 3D** is a very innovative Instrument in its own right; it is the first Tangential Field Strength Meter to incorporate a “3D Sensor”. This has allowed our Clients to be more efficient in their daily tasks and measure with an enhanced level of confidence.



Measuring Range: White Light:	5 lux to 10,000 lux
UV Light:	0 to 10,000 uW/cm²
Resolution: White Light:	0.1 lux below 10 lux.
UV Light:	0.15 to 10 µW/cm² (micro watts per square centimetre).
Units: White Light:	Foot Candles (ft-c or fc or lm/ft) or Lux.
UV Light:	µW/cm² (micro watts per square centimetre).
Display:	2.8" (70mm) 320 x 240 pixels colour display. LCD with selectable backlight.
Screen:	5 readings per second.
Conversion Rate:	100ms
Resolution:	Up to 0.1 Lux & 0.1uW/cm2 (configurable)
Dimensions:	163mm(h) x 80mm (w) x 25mm(d). With rubber boot = 168mm(h) x 85mm(w) x 30mm (d).
Weight:	350g (0.77 pounds) including batteries.
Power:	2 x 1.5 V AA Alkaline Batteries.
PC Connectivity:	USB or mains charging capabilities
IP Standard:	IP54
Resolution:	Settable in menu system
Overall Accuracy:	+/- 3% measured against primary standard
Temperature Coefficient:	less than +/- 0.01%/C (0 to 50C)
Irradiance range:	UV-A - 0 - 10000 uW/cm2, Visible - 0 - 10000 lux
Spectral range:	UV-A - 320-400nm, Visible - 460-680nm

Measurement range	To 2000 Gauss
Units	Gauss, mTesla, Ka/m
Measurement modes	DC, AC peak, true RMS
MPI bench support	True RMS for thyristor switched fields
Peak hold mode	Off, 1, 2, 5 and 10 seconds
Measurement sample rate	70 samples/second
Measurement resolution	0.16 Gauss
Probe types	3D Auto Recognition
Sensor calibration	Stored digitally in probe
Measurement accuracy	1%
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 and resolution	2.8" (70mm) 320x240 pixels
Power	2 x 1.5V AA batteries.
Typical battery life	In excess of 10 hrs continuous use
Instrument dimensions	163mm x 80mm x 25mm (168mm x 85mm x 30mm with protective rubber boot)
Instrument weight	350g (0.77 lb) including batteries



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