

## LumaFlux Combined Dual UV & White Light and Tangential Field Strength Meter



The LumaFlux combines all the established functions of the LumaCheck Dual UV / White Light Meter and the unique benefits of the MagnaCheck 3D Tangential Field Strength Meter in one rugged instrumentation package. With the easy “Swap & Go” system to change sensors, the LumaFlux automatically recognizes the Sensor that is connected and operates in the selected mode until the sensors are swapped again.



## Features:

- Two instruments in one allowing you to save on purchase cost
- Excellent result accuracy in all measurement modes
- Lightweight, compact and housed in a rugged enclosure
- Battery powered
- Ergonomically designed with protective rubber boot
- Full color programmable library
- Programmable calibration reminder
- Separate probes and cables for convenience and lower spares and maintenance costs

## Specifications:

The tables below show the combined specifications of the LumaCheck and MagnaCheck 3D, which combined are all in the new LumaFlux.

### LumaCheck:

|                     |                                                     |                                                                                                     |
|---------------------|-----------------------------------------------------|-----------------------------------------------------------------------------------------------------|
| <b>General:</b>     | <b>Measuring Range: White Light:<br/>UV Light:</b>  | 5 lux to 10,000 lux<br>0 to 10,000 $\mu\text{W}/\text{cm}^2$                                        |
|                     | <b>Resolution: White Light<br/>UV Light:</b>        | 0.1 lux to 10 lux<br>0.15 to 10 $\mu\text{W}/\text{cm}^2$ (micro watts per square cm)               |
|                     | <b>Units: White Light<br/>UV Light:</b>             | Foot Candles (ft-c or fc or lm/ft.) or Lux<br>$\mu\text{W}/\text{cm}^2$ (micro watts per square cm) |
| <b>Unit:</b>        | <b>Display:</b>                                     | 2.8" (70mm) 320 x 240 pixels color display.<br>LCD with selectable backlight.                       |
|                     | <b>Screen:</b>                                      | 5 readings per second.                                                                              |
|                     | <b>Conversion Rate:</b>                             | 100ms                                                                                               |
|                     | <b>Resolution:</b>                                  | Up to 0.1 Lux & 0.1 $\mu\text{W}/\text{cm}^2$ (configurable)                                        |
|                     | <b>Dimensions (LxWxD):<br/>With Rubber Boot On:</b> | 6.4" x 3.15" x 1" (163 x 80 x 25mm)<br>6.6" x 3.35" x 1.2" (168 x 85 x 30mm)                        |
|                     | <b>Weight:</b>                                      | 0.77 pounds (350g) including batteries                                                              |
|                     | <b>Power:</b>                                       | 2 x 1.5V AA Alkaline Batteries                                                                      |
|                     | <b>PC Connectivity:</b>                             | USB or mains charging capabilities                                                                  |
|                     | <b>IP Standard:</b>                                 | IP54                                                                                                |
|                     | <b>Resolution:</b>                                  | Settable in menu system                                                                             |
| <b>Sensor Head:</b> | <b>Overall Accuracy:</b>                            | +/- 3% measured against primary standard                                                            |
|                     | <b>Temperature Coefficient:</b>                     | Less than +/- 0.01%/C (0° to 50°C)                                                                  |
|                     | <b>Irradiance Range:</b>                            | UV-A: 0 – 10,000 $\mu\text{W}/\text{cm}^2$<br>Visible: 0 – 10,000 Lux                               |
|                     | <b>Spectral Range:</b>                              | UVA: 315 – 400nm<br>Visible: 460 – 680nm                                                            |



## MagnaCheck 3D:

|                                        |                                         |
|----------------------------------------|-----------------------------------------|
| <b>Measurement Range:</b>              | To 2000 Gauss                           |
| <b>Units:</b>                          | Gauss, mTesla, Ka/m                     |
| <b>Measurement Modes:</b>              | DC, AC peak, true RMS                   |
| <b>MPI Bench Support:</b>              | True RMS for thyristor switched fields  |
| <b>Peak Hold Mode:</b>                 | Off, 1, 2, 5 and 10 seconds             |
| <b>Measurement Sample Rate:</b>        | 70 samples / second                     |
| <b>Measurement Resolution:</b>         | 0.16 Gauss                              |
| <b>Probe Types:</b>                    | 3D Auto Recognition                     |
| <b>Sensor Calibration:</b>             | Stored digitally in probe               |
| <b>Measurement Accuracy:</b>           | 1%                                      |
| <b>Standard Compliance:</b>            | ASTM E1444 / 1444M-12 and EN ISO 9934-3 |
| <b>Zeroing:</b>                        | Manual zero with null pot supplied      |
| <b>Display Type:</b>                   | Color LCD with selectable backlight     |
| <b>Display Size and Resolution:</b>    | 2.8" (70mm) 320 x 240 pixels            |
| <b>Power:</b>                          | 2 x 1.5V AA batteries                   |
| <b>Typical Battery Life:</b>           | In excess of 10 hrs. continuous use     |
| <b>Dimensions (LxWxD):</b>             | 6.4" x 3.15" x 1" (163 x 80 x 25mm)     |
| <b>With Protective Rubber Boot On:</b> | 6.6" x 3.35" x 1.2" (168 x 85 x 30mm)   |
| <b>Weight:</b>                         | 0.77 pounds (350g) including batteries  |

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## The LumaFlux comes complete with:

- Lumaflux instrument
- Dual UV & White Light Sensor
- 3D Tangential Field Strength Probe
- Probe Cable
- Metal Null Pot
- Carrying Case
- Calibration Certificate



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