

Advantages of MAVOMASTER compared to conventional series

Functionality	MAVOMASTER	MAVOLUX, MAVO MONITOR
Universal use	A basic device with automatic probe recognition, can be used with different probes.	The basic device is permanently assigned to the probe.
Extreme value detection	MIN, MAX, AVG	
Evaluations on board	<ul style="list-style-type: none"> ■ Grid measurement for workplace / room assessment Emin / Emax / Eavg / U0 / DU ■ Relative measurement ■ Deviation measurements B-A, %A ■ Ratio measurement B/A ■ Integral measurement, determination of the radiation dose ■ Data logger 	
Function keys F1, F2	Individually verifiable with on-board evaluations	
Autonomous data logger	yes, with adjustable interval	no, only in connection with PC and GLUX 2
Real time clock	for data storage and data logger	
Settings menu - settings, measurement, storage	<ul style="list-style-type: none"> ■ Language selection D / GB ■ Time, units, assignment of function keys ■ Log interval ■ File names, decimal separator, hour format, date format (country-specific for EXCEL) 	
Settings menu - information	<ul style="list-style-type: none"> ■ Serial number, hardware version, firmware version ■ Connected probe, serial number, hardware version, firmware version ■ Temperature, battery voltage 	
Sustainable device concept	Firmware update via USB	
Self-sufficient calibration	Only the probe is sent in and calibrated, saving shipping costs and the basic device can continue to be used.	The basic device and the permanently assigned probe must be sent in together.
Data storage	GB, readable via USB, device behaves like an external drive, EXCEL compatible CSV file, adjustable data formatting	100 readings, readable via USB with GLUX 2
Screen	Graphics-capable LCD with universal display options	Specific LCD with limited display capability
Display lighting	<ul style="list-style-type: none"> ■ Adjustable brightness 50% ... 100% ■ Adjustable function ON, OFF, HOLD, AUTO 	<ul style="list-style-type: none"> ■ Fixed brightness ■ Fixed HOLD function
Key labeling	Fluorescent printing, glows user-friendly when used with UV-A lamps	standard printing
Measuring range selection	automatically	automatically, manually
Interface	USB, Micro B socket	USB, Mitsumi B mini socket

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Operating temperatur	- 10 °C to + 50 °C	0 °C to +50 °C
Battery life	<ul style="list-style-type: none"> ■ up to 16 hours of continuous operation with alkaline manganese battery ■ continuous operation via USB socket 	<ul style="list-style-type: none"> ■ Approx. 45 hours of continuous operation with alkaline manganese battery ■ Continuous operation via USB socket
Automatic shutdown	adjustable OFF, 10 s, 30 s, 1 min, 2 min, 5 min	adjustable OFF, 4 min

Advantages of MAVOPROBE compared to conventional series

functionality	MAVOPROBE	MAVOLUX, MAVO MONITOR
Stand alone meter	The probe has its own intelligence, is calibrated and outputs the associated measured variable via a serial interface.	The probe only supplies an analog signal, which is processed in the mandatory basic device.
Universal use	Probe can be operated with a MAVOMASTER as a self-sufficient measuring device. Alternatively, it can be used inexpensively with an optional USB adapter in single or multi-channel measurement systems.	The probe can only be operated in conjunction with the assigned basic device.
New application area	MAVOPROBE LUX/UVA - non-destructive testing illuminance class B and irradiance UV-A 365 nm	
Sustainable device concept	Firmware update via USB	
Self-sufficient calibration	Probe is calibrated separately.	Probe and base unit must be calibrated together.
Extendable connection	1.5 m connection cable of the probe is extended with optional plug-in 3 m, 5 m, 10 m cables. Retrofitting and alternative operation possible.	The 1.5 m connection cable of the probe must be exchanged for a fixed 3 m, 5 m, 10 m cable at the factory if ordered.
Pluggable probe cable	all probes	only MAVOLUX 5032 B USB, MAVO-MONITOR USB
Higher resolution	MAVOPROBE LUX 5032 B 0.001 lx or 0.01 cd/m ²	MAVOLUX 5032 B USB 0.01 lx or 0.1 cd/m ²
Greater Accuracy	MAVOPROBE LUX 5032 B ± 2.5%± 1 digital	MAVOLUX 5032B USB ± 3%± 1 digital