X9-1

https://www.gigahertz-optik.com/en-us/product/x9sub1sub/

Product tags:



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Description

The X9 $_1$ (Xnine one) meter plus VL-3704-4 and/or LDM-9901-4 light detector forms a compact hand-held photometer for both illuminance (lux)* and luminance (cd/m 2)* measurement in general lighting applications. The X9 $_1$ lightmeter design features separate meter and cable connected detector heads one for illuminance and one for luminance measurements. * SI units of measurement

Illuminance Meter

The VL-3704-4 Illuminance detector is fitted with a precise photometric correction filter and cosine diffuser. It's $V(\lambda)$ spectral sensitivity matches the DIN CIE standard f1' error to equal or better than 5% meeting the DIN Class B specification. Its 20 mm low profile height allows measurement close to the reference level.

Luminance Meter

The LDM-9901-4 Luminance detector is designed with a chromatically corrected lens for a measurement distance independent $V(\lambda)$ match of f1' error equal to or better than 5% to the DIN CIE standard. Its field of view is 1.1° with a measurement distance range 40 cm to infinity. To target the object to be measured, the LDM-9901 has a notch and bead sight which has marks for near and far field distances.

Compact Size for Mobile Use

1 meter is a hand-held battery operated meter with 9 mm high character LCD display for easy viewing. Its high linearity current to voltage amplifier offers automatically (Manual?) selected gain ranges. Operating the $\rm X9_1$ is simple. Once set-up all settings are stored and recalled on next power-up unless settings are changed. The light detector connected is recognized by the meter and set to the associated measurement quantity. The meter is operated by a standard 9 V battery.

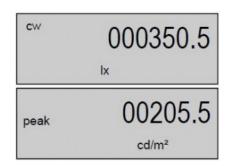
Measurement in footcandles and footlamberts

The US version of the $X9_1$ (Xnine one) meter plus VL-3704-4 and LDM-9901-4 light detector measures illuminance in footcandles (fc) and luminance in footlamberts (fL).

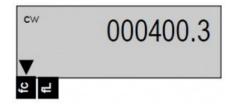
Custom Labeling Welcome



USA Version

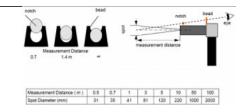


Large Digital Display with Measurement Unit and indication of cw or peak hold measurement mode



Model X91-US for Measurements in Footcandles and Footlamberts

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LDM-9901 Sighting Principle

Specifications

Specification Design Compact size hand-held housing Display 6 character LCD, Character height 9mm. Indication of measurement quantity, cw or peak measurement mode, stop, battery low. Detector interface ITT (-4) type connector. Connected detector identification (VL-3704-4 and LDM-9901-4 only) CW integration time 500 ms 0.166 Hz to >300MHz Frequency Range Peak Hold Measurement Peak measurement value frozen on display. Erased with reset button. Peak mode indicated on display Via RS232 interface Parameter adjustment Front panel control 2 keys, menu system Interface RS232, 9600 Baud, 8 8D pin plug Hirose type 3260-8S1, Power supply option recommended for remote control operation Temperature range operating: 5 to 40°C, storage: -10 to 50°C Lens diameter 20mm, **Dimensions Power Supply** 9V one-piece battery, operating time about 100 hrs Operation from AC plug-in power supply 230V/50Hz on option by erase of battery VL-3704-4 1) Illuminance detector with cosine diffuser f1' (spectral mismatch) ≤ 5 % f2 (directional response/cosine ≤ 3 % error) LDM-9901-4 1) Luminance detector with 1.1° field of view, notch and bead sight for object targeting Measurement distance 0.4m to infinitive compatible compatible Warranty 12 months Illuminance 0.5 to 199999 lx with 0.01 lx resolution Luminance 2.5 to 199999 cd/m² 1) for more detailed specification please check the datasheets of the VL-3704 and LDM-990 detector heads

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K-xx-C



Calibration of the signal current sensitivity of optometers. Features: calibration of all gain stages, traceable calibrated current source, calibration certificate

https://www.gigahertzoptik.com/enus/product/k-xx-c/

Purchasing information

Article-Nr	Modell	Description
Product		
100436	X9-1	Meter with battery and manual
Re-calibration		
15300700	K-X9n-C	Electronic calibration of X9 series meters
15300692	K-VL3704-I	Illuminance calibration of VL-3704
15300377	K-LDM9801-I	Luminance calibration of LDM-9901
Accessories		
15297142	VL-3704-4	Illuminance detector with calibration certificate
100442	LDM-9901-4	Luminance detector with calibration certificate
100148	VL-37-Z01	Adapter with bubble level for use as stand or tripod mount
100138	LDM-9901-Z01	Adapter plate to mount the LDM-9901 onto standards tripods
100674	LDM-9901-Z02	Ambient light shade for LDM-9901
100065	X9-Z01	RS232 interface adapter cable to connect X9 series meters with 9PIN SUB-D standard sockets to PCs
100299	X9-Z02	External power supply for X9 series meters including meter modification (cancels battery operation)
101122	X9-Z05	Plug-in power supply for AC operation of X9 series meters. Connects to RS232 socket of the meter (prevents remote control operation via RS232 interface). 100VAC - 240VAC; 5VDC
100066	BH0-04	Hard case to carry and store one X9_1 or X1_1 with one of VL-3704 and LDM-9901

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<u>Send us your inquiry</u> or contact us by phone or e-mail. We would welcome your feedback too or review us on <u>Google</u>.

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