

X9-11 + X9-11u

<http://www.gigahertz-optik.de/en-us/product/X911uX911u>

Product tags: UV



Description

The X9₁₁ (Xnine eleven) meter in combination with the UV-3718-4 detector forms a compact hand-held radiometer for the measurement of irradiance and irradiance dose of monochromatic optical radiation at 254nm. It has now been superseded by the [X1-1-UV-3718](#) UVC radiometer which offers improved performance and greater functionality.



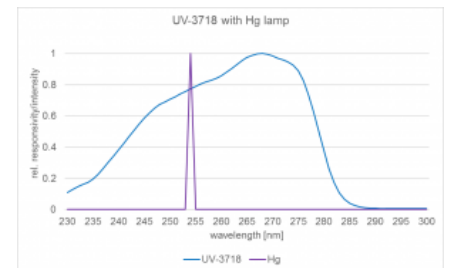
Measurement of UV-C254nm irradiance of low pressure mercury lamps used in germicidal & bactericidal sterilization and eprom eraser

The UV-3718-4 detector is designed for the measurement of high intensity ultraviolet radiation at 254nm. For long time stable operation with short wavelength high energy radiation the detectors diffuser, its band pass filter and photodiode are pre-aged by UV radiation. Beside that the front of the detector and its cable are protected with stainless steel plate and stainless steel spiral tube.

X1-1-UV-3718 UVC 254nm radiometer supersedes X9-11 models

Simple to Use Lightmeter

The X9₁₁ meter is a handheld battery operated meter with 9 mm high character LCD display for easy viewing. It offers a wide dynamic amplifier with seven automatically or manually selected gain ranges. Operating the X911 is simple you only need to switch on the meter and select the measurement mode. The meter is operated by a standard 9V battery. An BHO-11 hard-shell case is optional available.



UV-3718-4 Typical Spectral Responsivity

Two meter versions were previously offered:

X9₁₁ with display in mW/cm²

X9_{11u} with display in μW/cm²

Both variants are now superseded by Model [X1-1-UV-3718](#)

Traceable Calibration

The detector and the meter are traceable calibrated to international standards.


Custom Labeling Welcome

Specifications

Specification

Design	Compact size hand-held housing
Display	6 character LCD, Character height 9mm. Indication of measurement quantity, cw or peak measurement mode, automatic or manual gain, run/stop, low battery
Detector interface	ITT (-4) type connector
CW	With Run / Hold function (Snapshot)
CW integration time	300 ms
Frequency Range	0.166 Hz to >300MHz
dose measurement	Manual controlled with RUN / STOP buttons
Dose integration time	100 ms
Parameter adjustment	Via RS232 interface
Front panel control	3 button 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
Dimensions	37mm diameter, 32mm height, 12mm cosine diffuser diameter, 2m cable length, 100 g
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
UV-3718-4 Detector	For detail information please check the UV-3718 datasheet
Irradiance Range	With X911 0.002 to 8000mW/cm ² With X911u 2 to 999999 μW/cm ²
Irradiance Dose Range	With X911 0.05 to 999999 J/cm ² With X911u 50 to 999999 mJ/cm ²
Calibration	With monochromatic reference light source at 254nm
	compatible
	compatible
Warranty	12 month
Measurement modes	NULL
	NULL

Configurable with

Produktname	Product Image	Description	Show product
UV-3718		<p>Detector head for the measurement of high irradiance of UV-C 254nm radiation in W/m².</p> <p>Features: pre-aging for long time stability, cosine field-of-view, metal shielded cable, for the usage with optometers and amplifiers, calibration certificate.</p>	http://www.gigahertz-optik.de/en-us/product/UV-3718

Produktname	Product Image	Description	Show product
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Purchasing information

Article-Nr	Modell	Description
Product		
100559	X9-11	Meter (mW/cm ²)with battery and manual
15297858	X9-11u	Meter (μW/cm ²)with battery and manual
15298020	X9-11u Set	Meter X9-11u, detector UV-3718-4, case BHO-11, battery and manual
Re-calibration		
15300700	K-X9n-C	Electronic calibration of X9 series meters
15300669	K-UV3718-S	Irradiance calibration using monochromatic reference source at 254nm, Calibration certificate
Accessories		
15297129	UV-3718-4	UV-C (254nm) irradiance detector; Calibration certificate
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
15297539	BHO-11	Hard case to carry and store the X9-11 with one UV-3718-4