

UNIGRAF

Video Level Meter VLM-333



Measure RGB video levels accurately, in less than 10 seconds!

The Unigraf VLM-333 is a hand held RGB video level meter that simultaneously measures and displays all three components of a video RGB signal. Designed with an accuracy of better than 0.3%, the VLM-333 can quickly and easily measure the video levels wherever and whenever necessary.



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VLM-333 video level meter

The expansion of colorful digital communication sets new demands for color monitor performance. Effective quality work presumes frequently performed checks of video signals in your color monitor.

The Unigraf VLM-333 is the right solution for fast and easy measurements of RGB and monochrome signal levels anywhere and any time.

No extra time-consuming adapters or works are needed, simply connect to the monitor signal source and read the result.

The Unigraf VLM-333 is a hand-held instrument designed for measuring the amplitude level of an analog RGB or monochrome video signal, i.e. the

difference between the voltage levels representing black and white.

The VLM-333 has both BNC and 15 pin HDD (VGA) connectors for RGB inputs. The video levels are displayed on the LCD display as a digital readout, in millivolts.

The meter is battery powered for portable use or it can be powered by an external power adapter for continuous operation.

The VLM-333 accepts a wide range of input voltages: (DC at 6.5 to 12 volts or AC at 7.5 to 12 volts, 50 or 60 Hz).

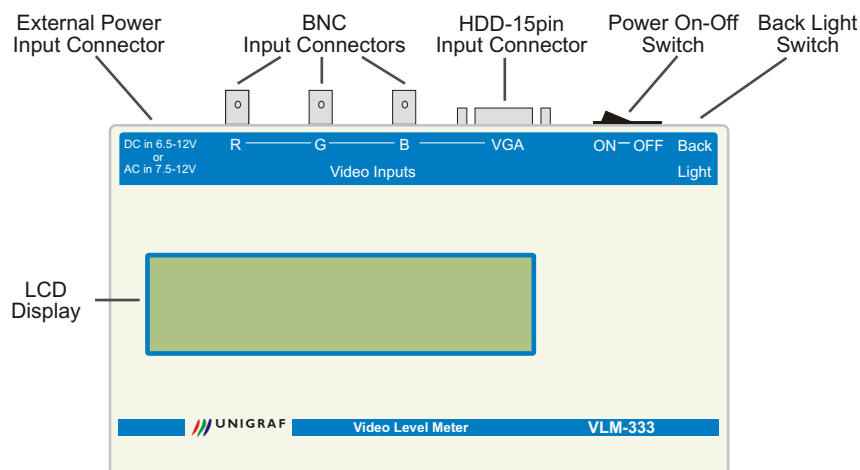
The use of the VLM-333

To measure an RGB signal, connect the video with three BNC connectors of the VLM-333, or the HDD-15 connector if a VGA cable is used.

No external termination should be used in either case, because the VLM has built-in precision 75 ohm terminations. For a correct reading, the video signal must represent a pattern where the left half of the screen is white and the right half is black, and the horizontal frequency should be 10 - 120 kHz. When the VLM-333 is switched ON and a proper video signal is present at the input the video levels are directly readable on the Lcd display.

If the level of a single video signal (monochrome for example) is to be measured, then the signal must be connected in the G input, which is used as a source for internal synchronization.

Front panel and connectors



Technical Specifications

Measuring range:	300 - 1200 mV
Input voltage range:	-0.150V to +2.0V
Input impedance:	75 ohm \pm 0.2% per channel
Reading accuracy:	\pm 0.3%, \pm 1 digit
Power supply:	Internal batteries (4 AA) or an external DC adapter 6.5 - 12V or AC adapter 7.5-12V, it can also be powered by the +5V DDC from the VGA connector 30 mA (100 mA max with back light on)
Size:	height 96 mm x width 165 mm x depth 33 mm, without handle (120x180x33 with handle)
Weight:	800 g

Unigraf reserves the right to change the specifications without notice.



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