

Portable Composite Waveform Vector and Audio Monitor



Weighing in at only 655gram (23 oz) this composite waveform/vectorscope with audio monitoring is extremely versatile. With a full range of time base functionality, including Hands Free Timing, trace display options, it's powered by in-built re-chargeable batteries or via its 12Vdc adapter (included). Available as NTSC or PAL options include an SD SDI input* and Protective Carry Case*.

Features and Functions

- Composite waveform and vector on screen monitor.
- Audio PPM or VU bar graph.
- Full, Half, Quarter size split screen display.
- Displays, inserted, mixed with input or on black.
- Remote Control via RS 232 capability.
- HFT™ – hands free timing using external reference.
- Built in black generator and calibration signals.
- 3 user set store & recall modes and 3 factory set.
- Power from Internal Nicad Battery or 12VDC, mains adapter included.

Specify NTSC or PAL standard on order

*** Features available as options
(see options list below)**

This product contains proprietary patented designs.

TECHNICAL SPECIFICATION

DISPLAY AREA

The waveforms are in square boxes burnt into the video signal.
Small mode: Video and vector boxes are each 128 lines high with a width of 8.5uSec in PAL and 10uSec in NTSC.
Half mode: Video and vector boxes are each 256 lines high with a width of 17uSec in PAL and 20uSec in NTSC.
Expand mode: Video and/or vector boxes, are each 512 lines high with a width of 34uSec in PAL and 40uSec in NTSC.

SIGNAL CONNECTIONS

IN: BNC connector with input impedance of 22K.
LOOP BNC connector. Separate 75ohm term switch.
EXT BNC connector. Impedance 22K. Separate 75ohm term switch.
OUT Output to monitor is 1 Volt to 75 ohms. Auto switch to input when off. Internal jumper allows loop protect.
AUDIO 6 pin mini din. Stereo balanced input. Impedance 22K.

WAVEFORM MONITOR

Response: FLAT is +/- 1% from 25Hz to 5.5MHz, -5% at 10MHz.
LPASS is a low pass filter -1db at 1MHz, -40db at 3.58 / 4.4MHz.
CPASS is a band pass filter -3db at +/- 750KHz.
Sensitivity: 1V video-in displays 100% (140 IRE) in CAL mode.
Gain variable between 1.0 and 3.0.
Error in CAL position is less than 1%.
D.C. Restorer: Attenuation of less than 30% to line hum signals.
Display level change less than 2% for 1 volt change in signal level.
Timebase: 2V, V, VMAG, 2H, H, HMAG.
Accuracy limited only by display resolution due to crystal sweep.

VECTOR MONITOR

Accuracy: Better than 1% in 75% or 100% positions
Variable up to 3 times gain.
Display phase is continuously variable by +/- 45 degrees.

POWER

INT: 7.2V Nicad x 0.7AH.
EXT: 7V-15V D.C. at 0.2 amp.
Consumption: 2.5 W nominal.

TEMPERATURE

0 to 45 deg.C. Ambient to 10,000 ft.

PHYSICAL

DIMENSIONS: - 150mm x 130mm x 50 mm.

WEIGHT: - 600g or 730gr with batteries.

WARRANTY: - 1 Year.

Extendable free on registration: - To 2 Years
By using the service area of our web site
<http://www.hamlet.co.uk/serv.html>

ORDERING INFORMATION

302WVA MICRO SCOPE

Portable, Composite, PAL or NTSC waveform, vectorscope unit, ideal for mobile broadcast environments - with external ref and audio if required plus audio bar graphs, Hands Free Timing, memory functions black generator, external reference and RS232 remote control.

* Features available as options (see options list below)

OPTIONS

302 – SDI	Universal SDI Input for 302WV/A
302 – CC	Universal carry case

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Hamlet products are Manufactured to ISO9001.2000 and ISO14001 specification.
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