

Portable Composite Waveform Monitor



Features and Functions

- Input: 1 Composite with Loop.
- Output: 1 Composite picture and trace.
- Displays, inserted, mixed with input or on black.
- Full screen or monitoring size top or bottom of frame.
- NTSC or PAL operation.
- Active level shot to shot comparison cursor.
- Flat, Low pass and Chroma pass Filters.
- Powered by 2 x Standard AA cells, or 12VDC mains adapter included.

Specify NTSC or PAL standard on order

Smallest Waveform unit in the world, powered by 2 x AA battery cells or via its 12Vdc adapter (included). Displays a 1H trace of Active Video or with Synchronisation and Burst components. Weighs in at 415grams (14.5 oz), available PAL or NTSC.

This product contains proprietary patented designs.

TECHNICAL SPECIFICATION

DISPLAY AREA

The waveforms are in boxes burnt into the video signal.
Small modes: Box is 128 lines high, with a width of 14uSec.
Expand mode: Box is 512 lines high, with a width of 42uSec.

SIGNAL CONNECTIONS

Inputs: BNC connector with loop-through output. Return loss is better than 40db. Input impedance 15K ohm, max d.c. +/- 10 volts.
Output: Output to monitor is 1 Volt to 75 ohms.
Option: The Pico Scope can be factory set such that on power-down, the unit is bypassed so that the output is directly connected to the input, and the loop output is disconnected.

SPECIFICATION

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: Black level displays 0%, white level displays 100%.
Calibrator: Error in CAL position is less than 1% (0.007V).
Calibration line variable over full signal range.
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.

POWER

INT: 2 x 1.5V AA cells, life approx 4 hours (Lithium).
1.5 hours (Alkaline) or 1 hour (Nicad).
EXT: 8V-15V D.C. at 0.21 amp. Centre neg 2.1mm skt.

ENVIRONMENT

Indoor use, 5 to 45 deg.C. Ambient to 2000m.
Max humidity 80% to 31 deg.C decreasing to 50% at 40 deg.C.
Overvoltage category 2. Pollution degree 1.

PHYSICAL

DIMENSIONS: - 180mm x 90mm x 35 mm.

WEIGHT: - 450g or 500gr 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

300W PICO SCOPE

Portable composite waveform display unit, ideal for mobile broadcast environments.

Options

300W - CC

Carry Case

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