

NTSC Vectorscope



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TestEquipmentDepot.com



- Two Channels Plus EXT REF
- EXT REF Accepts Composite Vide, Black Burst or CW Subcarrier
- Accepts Line Select Strobe
- No Parallax Error
- Fits Half-Rack Adapter

Model 5850V



The perfect mate for the model 5860V Waveform Monitor, the 5850V Vectorscope extends monitoring and timing adjustments into chroma aspects. The unit accepts a phase reference from either input (A or B) or from an external reference. The latter may be composite video, black burst or CW subcarrier.

key specifications

CRT

Accelerating Potential
12 kV / 2 kV

Area
80 x 100 mm

COMPOSITE VIDEO INPUTS

2 channels

CH-A and CH-B switchable

Sensitivity

1.24 V p-p full scale, continuously variable from 2 V p-p to 0.5 V p-p

Connectors

BNC, loop-through

Impedance

2 M Ω

Amplitude

100% or 75% (switchable)

EXTERNAL REFERENCE

Subcarrier

2 V p-p \pm 6 dB

Black Burst

0.43 V p-p \pm 6 dB

Impedance

10 k Ω

Connectors

BNC, loop-through

CHROMINANCE

Bandwidth

.3579545 MHz \pm 500 kHz

Accuracy

Phase: \pm 2 $^\circ$

Amplitude: \pm 3%

Differential Phase

\pm 1 $^\circ$

Differential Gain

\pm 1%

VECTOR DISPLAY

NTSC

SYNCHRONIZATION

Horizontal Source

Horizontal sync signal of composite video input

Subcarrier Capture Range

3.579545 MHz \pm 50 Hz

Amplitude

0.286 V p-p \pm 6 dB

Phase Adjustment Range

360 $^\circ$

POWER REQUIREMENTS

100, 120, 220, 240 V ac \pm 10%

50/60 Hz, 40 VA

PHYSICAL

Size (W x H x D)

8 $\frac{1}{2}$ x 5 $\frac{1}{4}$ x 16 $\frac{7}{8}$ in.

215 x 132 x 429 mm

Weight

13.2 lbs., 6 kg

Operating Temperature

0 to 40 $^\circ$ C

SUPPLIED ACCESSORIES

Protective Metal Cabinet with Handle and Feet

2 Rackmount Screws (8-30 UNC)

Spare Fuse

AVAILABLE OPTIONS

Rackmount Adapter (LR-2400VD)

Protective Front Cover (LC-2077)

Viewing Hood (LH-2015)

PAL Version (5851V)