

# Handheld Generator

## Pathfinder™ TSG95

### Characteristics

#### PAL Test Signal Characteristics

**Luminance Amplitude Accuracy** -  $\pm 1\%$  of 700 mV.

**Chrominance-to-luminance Gain** -  $\pm 2\%$  of 700 mV.

**Subcarrier Stability** - 4.43361875 MHz  $\pm 10$  Hz.

**Chrominance-to-luminance Delay** -  $\leq 10$  ns.

**SCH Phase** -  $0^\circ \pm 5^\circ$ .

**Frequency Response** -

To 4.8 MHz: Flat within  $\pm 2\%$ .

To 5.8 MHz: Flat within  $\pm 3\%$ .

**Field Tilt** -  $\leq 0.5\%$ .

**Line Tilt** -  $\leq 0.5\%$ .

**Differential Gain** -  $\leq 1\%$ .

**Differential Phase** -  $\leq 1\%$ .

**2T Pulse K-factor** -  $\leq 0.5\%$ .

#### NTSC Test Signal Characteristics

**Luminance Amplitude Accuracy** -  $\pm 1\%$  of 714.3 mV (100  $\pm 1$  IRE).

**Chrominance-to-luminance Gain** -  $\pm 2\%$  of 714.3 mV (100  $\pm 2$  IRE).

**Subcarrier Stability** - 3.579545 MHz  $\pm 10$  Hz.

**Chrominance-to-luminance Delay** -  $\leq 15$  ns.

**SCH Phase** -  $0^\circ \pm 5^\circ$ .

**Frequency Response** - Flat within  $\pm 2\%$  to 4.2 MHz.

**Field Tilt** -  $\leq 0.5\%$ .



TSG95 PAL/NTSC Signal  
Generator.

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**Line Tilt** -  $\leq 0.5\%$ .

**Differential Gain** -  $\leq 1\%$ .

**Differential Phase** -  $\leq 1\%$ .

**2T Pulse K-factor** -  $\leq 0.5\%$ .

#### **Power**

##### **DC Input** -

Range: 9 to 15 V input.

Polarity: Negative center.

##### **Typical Battery Life** -

Alkaline AA Cells: 7 to 10 hours.

Rechargeable Pack: 3 to 4 hours.

#### **Environmental**

##### **Temperature** -

Operating:  $0^{\circ}\text{C}$  to  $+40^{\circ}\text{C}$ .

Nonoperating:  $-30^{\circ}\text{C}$  to  $+65^{\circ}\text{C}$ .

#### **Certifications**

**EMC** - Certified to the EMC Directive 89/336/EEC.

#### **Physical Characteristics**

<b>Dimensions</b>	<b>mm</b>	<b>in.</b>
Height	190.5	7.5
Width	91.44	3.6
Depth	55.8	2.2
<b>Weight</b>	<b>kg</b>	<b>lbs.</b>
Net (no batteries)	0.48	1.06
Shipping	1.5	3.31

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