

# NTSC Signal Generator

## TSG200

### Characteristics

#### NTSC Signal Generator

**Luminance Amplitude Accuracy** -  $\pm 1\%$ .

**Chrominance-to-luminance Gain** -  $\pm 1\%$ .

**Chrominance-to-luminance Delay** -  $\leq 12$  ns.

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

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

**Line Blanking Interval** -  $10.9 \mu\text{s} \pm 0.2 \mu\text{s}$ .

**Output Impedance** - 75 Ohm.

#### NTSC Test Signals

**Color Bars** - SMPTE Color Bars.

**Convergence** - 14 lines per field 17 lines per horizontal.

#### Multiburst -

White Reference Bar Amplitude: 70 IRE.

Packet Amplitudes: 60 IRE.

Pedestal: 40 IRE.

Burst Frequencies: 0.5, 1.0, 2.0, 3.0, 3.58 and 4.2 MHz.

#### 5-step Staircase -

Amplitude: 100 IRE.

Linearity Error:  $\leq 1\%$ .

#### NTC 7 Composite -

Blanking Width:  $10.9 \mu\text{s} \pm 0.2 \mu\text{s}$ .

#### Internal Reference

**Frequency** - 3.579545 MHz.

**Stability Over Temperature** - Within 5 Hz from  $5^\circ$  to  $35^\circ\text{C}$ .



TSG200 NTSC Signal Generator.

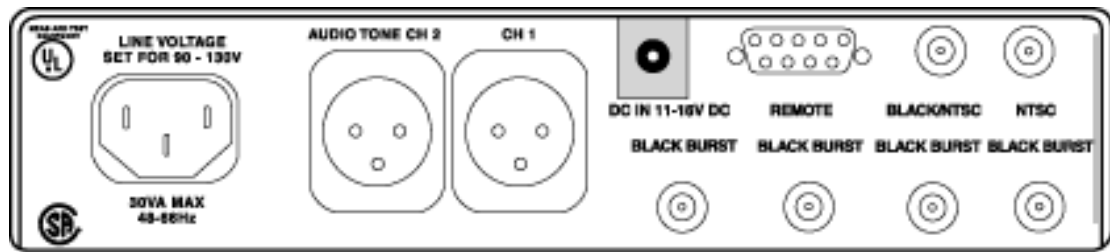
[Features](#)

[> Specs](#)

[Ordering Information](#)

[Pricing Information](#)

[Request a Quote](#)



TSG 200 Rear Panel.

TSG200 rear panel.

### Audio Tone Generator

**Frequency** - 1 kHz or 400 Hz.

**Amplitude** - 0 to +8 dBu into 600 Ohm, or a high impedance load.

**Distortion** -  $\leq 0.5\%$  THD.

**Click ID** - Rate adjustable from 0.2 Hz to 4 Hz.

### Power Source

**Mains Voltage Range** - 90-130 V AC; 180-250 V AC.

**Frequency Range** - 48-62 Hz.

**Power Consumption** - 15 W typical.

### Environmental

#### Temperature -

Operating: 0°C to 35°C.

Nonoperating: 40°C to 65°C.

### Certifications

**Safety** - Approved to: UL1244, CSA231.

### Physical Characteristics

Dimensions	mm	in.
Width	205.7	8.1
Height	43.4	1.71
Depth	381	15
Weight	kg	lbs.
Net	1.47	3.25

Shipping	3.2	7.06
----------	-----	------

 [Top of Page](#)

[Features](#)

[> Specs](#)

[Ordering Information](#)

[Pricing Information](#)

[Request a Quote](#)

---

Product(s) not available in Europe



Tektronix Measurement products are manufactured in ISO registered facilities.

49A-10733-4p632, 04/1996, 08/01/2000