

**1T-TG-620 HDMI Test Generator** provides a means to verify the correct operation of HDMI equipment such as monitors and projectors. Any device using an HDMI type input (or DVI-D with appropriate adapter) can be tested using several different types of signals. Provision has been made to embed either a 1Khz internally generated audio sinewave or an externally generated audio signal into the digital bitstream so that the integrity of the audio portion of the HDMI signal can be verified and, in addition, HDCP (High Definition Content Protection) functionality can also be tested thereby insuring that all video, audio and security components of an HDMI compliant display device are functioning properly.



### Key Features of 1T-TG-620 HDMI Test Generator

- HDMI v1.2, HDCP 1.1 and DVI 1.0 Compliant
- 1.65Gbps Single Link HDMI Frequency Bandwidth
- VESA EDID v1.3 and EIA/CEA 861 Version 3
- Supports resolutions to WUXGA/60 and 1080p
- Supports Embedded Audio – Internal and External
- Infrared Remote Control

### Specifications

<b>Audio Input</b>	
External Audio	1x S/PDIF Optical Connector
<b>Video Output</b>	
HDMI (Note 1)	1x via Type A HDMI Connector
<b>HDMI Transport</b>	
Frequency Bandwidth	1.65Gbps (Single Link)
Supported PC Resolution	Up to WUXGA/60
Supported HDTV Formats	480p through 1080p (Note 2)
Audio (Embedded)	1Khz Sine wave Int. or Ext.
Compliance	HDMI v1.2, HDCP V1.1, DVI 1.0
<b>Special Feature</b>	
HDCP Function Check	Via Internal Algorithm
<b>Video Test Patterns</b>	
36 Video Patterns	In 8 Groups
<b>Control Methods</b>	
Local Control	Front Panel via PB Switches
Remote Control	1x Infrared Remote Control
<b>Warranty</b>	
Limited Warranty	1 Year Parts and Labor
<b>Mechanical</b>	
Size (H-W-D)	1.2"x4.9"x4.9" (30x125x125mm)
Weight (Net)	0.72lbs (334g)

### Environmental

Operating Temperature	0° to +48°C (+32° to +120°F)
Operating Humidity	10% to 90%, Non-condensing
Storage Temperature	-10° to +70°C (+32° to +120°F)
Storage Humidity	10% to 90%, Non-condensing

### Power Requirement

External Power Supply	5VDC@2A
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### Regulatory Approvals

HDMI Test Generator	FCC, CE, RoHS
Power Supply	UL, CUL, CE, PSE, GS, RoHS

### Accessories Included

1x AC Power Adapter	US, UK or Euro Type
1x Instruction Manual	
1x IR Remote Control	

### Product Number

1T-TG-620	HDMI Test Generator
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### Notes

- (1) DVID out is available using optional adapter.
- (2) The timing of the 1080i output resolution is very critical and may not be compatible with all displays.

### Panel Drawings

