



TS12-CARD

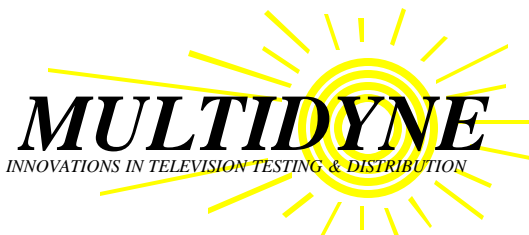
MODULAR NTSC VIDEO, CHARACTER & TONE GENERATOR

- **16 NTSC video test signals** including 5 MHz Line Sweep, NTC-7 Composite, NTC-7 Combination, Multiburst, Multipulse and (SIN X)/X.
- Compatible with the **Grass Valley™ 8500/8800** and **MULTIDYNE UTIL-200** Video DA Trays.
- **5 dedicated black burst outputs.**
- 10 bit digital video test signal generation exceeding the **RS-250C Short-haul** specification.
- **95 to 100 IRE RAMP** to measure Signal-to-Noise (S/N) and Signal-to-Quantizing Noise (S/Q) in digital video systems as recommended by **ANSI standard T1Q1.5/91-205R2**. Ideal for **Digital Video Fiber Optics** and **DS-3 Telephone Compressed Video** systems. Option -RAMP
- **Vertical interval test signals (VITS)**, NTC-7 Composite and NTC-7 Combination, **VM700A™ compatible.**
- **High, Low and Medium APL with Bounce.**
- **Field programmable character generator.** The message is 32 characters and is retained in a battery-backed RAM for up to 10 years.
- **1 KHz audio tone** interfaced through two BNC connectors with a BNC to XLR adapter.
- Lip-sync, audio and video synchronizing signal.
- Applications include Broadcast TV, Electronic News Gathering, Sporting Events, News Remotes, Cable TV, Telephone, Distance Learning, Teleconferencing, Satellite, Fiber Optics and Production.

CG-200

Modular Video Character Generator

- Insert a character message over an external video feed. Ideal for circuit identification or video messaging system.
- **16 message, field programmable character generator.** Each message can have up to **15 lines with 30 characters** and is retained in a battery-backed RAM for up to 10 years.
- Insertion of a **vertical interval character ID** into external video (Optional).



In the USA and Canada call **1-(800)-4TV-TEST**
191 Forest Avenue, Locust Valley, NY 11560-2132 USA
1-(800)-488-8378, (516)-671-7278, AX (516)-671-3362

E-Mail: info@multidyne.com Web Site: <http://www.multidyne.com>

AB-200

AUTOMATIC BYPASS & KEEP ALIVE SWITCH to AUTOMATICALLY TEST & ID Four Video Circuit

- Automatically monitor 4 video channels. If the video signal goes off the air or if the video circuit is inactive an alternate video signal is switched onto the line automatically. The system uses sync recognition and is not fooled by white noise of off air signals.
- Ideal for Satellite, Microwave, Off-air Antenna and Cable TV Headend applications. If you loose a video feed, automatically put up an emergency message or alternate video signal.

SPECIFICATIONS TS12-CARD

Conforms to the RS-170A specification.

Exceeds the RS-250C Short-haul specification.

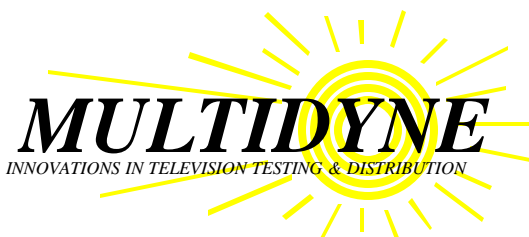
Video output impedance.....	75 Ohms
Differential gain.....	< +/- 0.25 %
Differential phase.....	< +/- 0.25 degrees
Chrominance to luminance gain	< +/- 0.25 %
Chrominance to luminance delay	< +/- 2.5 n sec.
Luminance amplitude accuracy.....	< +/- 0.25 %
Frequency response to 5 MHz	< +/- 0.25 %
Ringing.....	< +/- 0.5 %
Tilt	< +/- 0.1 %
Signal to noise.....	< -84 dB
Vertical interval test signals (VITS).....	NTC-7 Composite Line 18 Fields 1,2; NTC-7 Combination Line 17 Field 1
Character generator, user-programmable	32 characters
Character generator message retention	up to 10 years, lithium battery-backed RAM
Audio output impedance, balanced.....	50 Ohms
Tone frequency.....	1 KHz
Audio output level	-60 dBu to +10 dBu
Audio synchronizing signal.....	0.5 Hz click
Distortion.....	< 0.05%
Power dissipation	1.2 Watts, max.

SPECIFICATIONS AB-200

Auxiliary Video input.....	Differential, Hum Canceling, Buffered, Loop-thru
Number of channels.....	4
Video detection	Sync recognition
Switch over delay after loss of video	4-6 seconds
Failure indicators	4 front panel LEDs
Video switch.....	Low loss video relay
Primary signal continuity.....	In the event of power loss signal path maintained

Ordering Information:

- **Model TS12-CARD Modular 10 Bit NTSC Test Signal Generator Card** with 16 NTSC video test signals, user-programmable character generator, 5 black burst outputs and audio tone.
- **Model AB-200 Modular Four Channel Automatic Bypass** with buffered auxiliary video input to automatically monitor four video circuits.
- **Model CG-200 Modular Video Character Generator** with 15 lines of 30 characters inserted over external video.



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