

[PTM-305]

PRELIMINARY



PTM-305 Specifications

- Multiple functionality
 - Color Monitor
 - Vectorscope
 - Waveform Monitor
 - Test Signal Generator
 - Embedded Audio Monitor
 - Serial Data Analyzer
- Multi-formats
 - SD-SDI
 - Composite Analog
- Portable, handheld - PDA-sized
 - Weighs under one pound
- Integrated 320 x 240 color LCD Display
- Touch Screen Operation

Videotek's **PTM-305** portable, battery powered, personal test and measurement instrument provides multi-format functionality and versatility that set it apart from other handheld devices on the market.

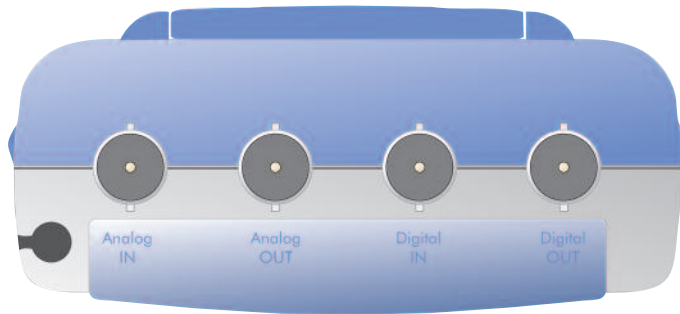
With a powerful array of features and functions that include a Video Test Signal Generator, Color Monitor, Waveform, Vectorscope and an Audio Analyzer/Monitor, the lightweight PTM-305 is ideal for monitoring field production camera setup, equipment installation, or troubleshooting signal path issues related to analog and standard definition digital formats.

This PDA-sized test and measurement instrument was designed to offer the convenience of portability without sacrificing function and performance. To enhance the user's experience, the PTM-305 features an integrated 320 x 240 color LCD display, utilizing touch-screen technology and the provided stylus to control and configure each operation. And maintaining power in the field won't be a problem - the PTM-305 runs on standard "AA" Ni-cad batteries for up to four hours when fully charged. No special battery packs are required.

The PTM-305 includes two video inputs, one for monitoring composite analog NTSC and PAL video signals and the second for monitoring SD-SDI signals formatted in SMPTE 259M with embedded audio. The test signal generator has both composite analog video and SD-SDI outputs that may be active simultaneously. A stereo analog audio output from an internal audio tone generator is also included.

Standard accessories include a sunshield, stylus, batteries, charger/adaptor, and a belt-style pouch.

[PTM-305]



- Color TFT touch screen LCD
 - 320 x 240 Pixels
 - 54 x 72 mm Display
- Test Signal Generator
 - Test Signals
 - Color Bars:
 - SMPTE/EBU 75% & 100%
 - Full Bars 75% & 100%
 - Multi Burst, Multi Pulse
 - Sweep
 - Sin X
 - Window test signal
 - Standalone. Freq Stab 50ppm
 - EDH insertion
 - Any Group Audio insertion
 - Audio Frequency and Amplitude Adjustable (Ranges)
 - Serial Digital Video Output 525/625
 - Composite Video Output
 - NTSC-(M/J) or PAL or PAL-M
- Color Picture Monitor
 - Zoom and Pan Mode
 - Horizontal and Vertical Offset
- Waveform Monitor
 - Composite Video Input
 - Serial Digital Video Input
 - RGB or Y, Pb, Pr Levels
 - Color Display
 - Digital Line Select
 - Persistence Adjustable
 - Zoom and Pan Mode
- Vectorscope
 - 75% and 100% Display Mode
 - Digital Line Select
 - Persistence Adjustable
- Serial Digital Data Analyzer
 - SAV Position
 - SAV XYZ Word
 - EAV Position
 - EAV XYZ Word
 - ANC Check Sum
 - Active Field CRC
 - Full Field CRC
 - EDH Flags
 - Active Picture EDH
 - Full Field EDH
- Embedded Serial Audio Monitor
 - AES/EBU 48kHz Audio Data Supported
 - Analyze any one pair from 4 groups
 - Stereo Bar Graph Peak Hold Audio Meters
 - Stereo Bar Graph Average Audio Meters
 - 16 Bit Stereo DAC
 - Variable Stereo Headphone output (from embedded audio sources)
- Stereo Analog Audio tone output:
 - THD: $\leq 1\%$
 - Maximum Level: +4 dBu
 - Connector: Miniature stereo headphone jack
 - 16 bit stereo DAC
 - Audio frequency variable selections 400 Hz, 1 kHz, 10 kHz
 - Audio frequency variable selections 10 Hz to 20 kHz in 10 Hz steps
 - Audio amplitude fixed selections: +4, 0, -4, -8, -18, -20 dB
 - Audio amplitude fixed selections: +4 dB to -59 dB in 1 dB steps
- Power Management
 - Auto shutdown of unused functions
 - 4 Hour Operation (Battery)
- Serial Digital Output
 - Return Loss > 15db at 270MHz
 - Output Data Rate 270MHz '601'
 - Output Jitter ≤ 0.2 UI
- Composite Analog Output
 - 10 bit DAC
 - Interpolation 8:8:8
 - S/N ratio (Ramp) > 60db rms
- Serial Digital Input (SMPTE - 259 M)
- Composite Analog Input (NTSC - PAL)
- Physical Specifications
 - 136mm High x 80mm Wide x 35mm Deep
 - 411 grams (14.5 oz)
 - Operating Temperature 0 to 40° C
 - Non Operating Temperature -30 to +85° C
 - Power: 6 "AA" Ni-cad batteries with battery charger/adapter included

VIDEOTEK[®]

More Information

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