

DATA SHEET - Model 20000 Six Pack**Six Channel Hot Swappable Video Instruments and Monitors**

Space efficient Model 20000 combines 1 waveform and 1 vectorscope with 4 remarkably clear color LCD picture monitors in 2 RU. This high quality test instrument enables the user to both measure and view multiple video channels simultaneously. Individual modules are hot-swappable and fully interchangeable. Custom configurations create any desired combination of 6 hot swappable waveforms, vectorscopes and LCD picture displays.

Features & Benefits

- ▶ Bright, Clear Exceptionally Sharp Pictures
- ▶ Hot-Swappable Plug-In Modules
- ▶ Auto-Switchable NTSC & PAL
- ▶ Front Panel Line Select of Waveform and Vectorscope
- ▶ Rugged Durable Construction
- ▶ Internal/External Sync Capability
- ▶ Optional Custom Configurations
- ▶ Energy Savings Provides Economical Operation

Prominent Users Who Employ The Strength of Six Pack Monitoring

- ▶ **Viacom** - Continuous monitoring of satellite receiver output signals
- ▶ **PacBell** - Combines on-line confidence monitoring & signal quality video streams info on broadband lines
- ▶ **Televisa** - ENG vans monitor multiple camera feeds. In-studio use for monitoring production cameras
- ▶ **Armed Forces Radio & TV Services** - HUMVEE installation for rapid deployment mini-production station
- ▶ **CBS Television City** - Continuous signal status monitoring from 24 TELCO and Satellite feeds using waveform modules

SPECS - Model 20000 Hot Swappable Six Pack

Three Model Configurations Available Each with 6 Hot Swappable Modules

Model 20000 Standard

- ▶ 1 - 2010 Waveform
- ▶ 1 - 2020 Vectorscope
- ▶ 4 - 2032 LCD Color Monitors



2010 Waveform Module

- ▶ 4 x 5cm Viewing Area
- ▶ 1.5kV Accelerating Potential

Model 20032 Standard

- ▶ 6 - 2032 LCD Color Monitors



2020 Vectorscope Module

- ▶ 4 x 5cm Viewing Area
- ▶ 1.5kV Accelerating Potential

Model 20000C Custom

- ▶ Select any combination of 6 modules below: 2010, 2020, or 2032



2032 LCD Color Monitor

- ▶ 2.5" Active Area
- ▶ Contrast Ratio 160:1
- ▶ 2.03" x 1.48" Window
- ▶ Pixel Arrangement 160 x 234
- ▶ Delta Brightness: 300cd/m²

Front Panel Controls

- ▶ IRE (LUM)
- ▶ Chroma (High Pass Filter)
- ▶ V & H Magnification
- ▶ V & H Position Controls
- ▶ V or H Selection
- ▶ 1 or 2 V or H Selection
- ▶ R.T. (Realtime) or
- ▶ Line Select Memory Freeze
- ▶ INT & FOC Controls

Front Panel Controls

- ▶ Full Phase Rotation
- ▶ R.T. (real-time) or Line Select
- ▶ Line 14-21 O/L Select
- ▶ V & H Position Controls
- ▶ INT & FOC Controls

Front Panel Controls

- ▶ Color
- ▶ Tint
- ▶ Brightness
- ▶ Contrast
- ▶ Blue Field On/Off
- ▶ Color Kill On/Off
- ▶ LED Tally Light



20000 Back Panel Controls (BNC 1-6)

- ▶ Video In w/ loop through
- ▶ External Sync w/loop through
- ▶ Strobed Video Output
- ▶ 10k Ohm/75 Ohm video term. Switch
- ▶ AC Input power connector

Physical and Other Specs (2001 Chassis)

- ▶ 115/230V AC Power Input<150W
- ▶ Mountable in standard RETMA Rack
- ▶ Front Panel On/Off Switch
- ▶ Composite Video Input
- ▶ NTSC/PAL
- ▶ Operating Temp OC to +55C

Enclosure/Dimensions:

- ▶ 19"W x 3.5"H x 18.3"D
- ▶ Cubic Inches: 1217
- ▶ Weight: 33 lbs.

Boxed Dimensions:

- ▶ 22"W x 7"H x 16"D
- ▶ Cubic Inches: 3872
- ▶ Weight: 35 lbs.