VIAVI   RPM2000

MONITORING MODULE FOR PATHTRAK

The RPM2000 module is an eight port, high-speed return path spectrum analyzer, which is optimized for the noise and ingress analysis and monitoring functions of the PathTrak Performance Monitoring System.

Each of the eight ports is an independent and isolated test port. The RPM2000 module switches automatically between the eight ports and measures spectrum performance on each port individually.

- Fully programmable measurement plans
- Scans all 8 ports 5 to 10 times per second
- Measures transient noise as short as 1 microsceond
- Optimized monitoring plans for specific reverse services applications
- Real-time fast spectrum trouble-shooting without interrupting monitoring
- Three unique features ensure that all relevant ingress is captured
  - Ultra fast parallel scan rate
  - 1 microsecond burst detection
  - Selectable dwell time
- In-service C/N measurements on TDMA cable modem signals

SPECIFICATIONS

PARAMETER	SPECIFICATON
Frequency Range	5-65 MHz
Dynamic Range	-40 dBmV to 50 dBmV
Resolution Bandwidth	Programmable to 30, 300, 1000 kHz
Spur Free Dynamic Range	40 dB (TYP)
Operational Temperature Range & Accuracy	+/- 2 dB @ room temperature +/- 3 dB drift, -50°C
Video Bandwidth	Programmable to 10, 30, 100, 300, 1000 kHz
Level Accuracy	+/- 2 dB on signal pulses >10 microseconds; +/- 4 dB on signal pulses >1 microsecond
Minimum Noise Burst Measurable	<1 microsecond
Dwell Time	Programmable from 1 microsecond to 100 milliseconds
Monitoring Mode	Maximum 250 points frequency resolution, scan rate depends on measurement settings, typically 5 to 10 scans per second for every port
Interactive Spectrum Analyzer Mode	500 points frequency resolution, up to 6 full spectrum scans per second with a 20 µSec dwell time
Recommended Input Level of Active Signals	0 to +10 dBmV

ORDERING INFORMATION

RPM OPTIONS		
RPM2000F	1019-00-1532	Monitoring module with F connectors
RPM2000BNC	1019-00-1524	Monitoring module with BNC connectors
CHASSIS OPTIONS		
HCU400	1010-00-0435	Holds up to 4 RPM2000 cards
HCU1500	1010-00-0433	Holds up to 15 RPM2000 cards