



3010H™ Signal/Sweep Analyzers

DATA SHEET



**The 3010H and the CM3800
signal/sweep analyzers offer
a range of solutions.**

Whether for routine maintenance or new interactive network installations, the 3010H and CM3800 offer a range of solutions. Both instruments cover the entire 4 MHz to 1GHz frequency range with exceptional speed – 60 channels of visual and aural carriers in less than 2 seconds and offer a spectrum scan mode for ingress and interference testing.

The 3010H is a rack-mounted Headend unit that supports up to ten field instruments simultaneously in the return path mode, and an unlimited number of field units as a forward sweep transmitter. These functions may be dedicated or combined to allow forward and return sweep in a single unit.

The CM3800 or CM3000 with Sweep Options is a battery-powered portable field instrument with Forward Sweep, Return Sweep, Digital Power mode, Ingress Measurement Suite and Signal Level Meter (SLM) capabilities.

The 3010H and CMxxx gives you confidence that your broadband system is operating reliably and that you are delivering quality, distortion-free signals to your subscribers. Both models incorporate DigiSweep technology, the industry's fastest, high resolution sweep.

Key features

- Compatible with new CM2800 and 3010R Sweep Receivers.
- Fast and accurate bi-directional Sweep for network maintenance
- Channel and Spectrum Scans modes
- Automated 24-hour tests for FCC reports
- Return Path Ingress Measurement Suite
- Node switching for troubleshooting individual nodes (up to 128 per 3010H)
- Can share AT1602 switches with realWORX
- Dual Path mode

Benefits

- The 3010 Fast Sweep helps technicians perform their task faster and easier than other solutions
- Non-Interfering Downstream Sweep for Analog and Digital Channels.
- Flexible spectrum scan capability for remote ingress and interference testing with switch control to view up to 128 nodes
- Node switching lets techs work independently and efficiently to troubleshoot ingress problems
- Higher resolution sweep identifies problems other sweep systems miss
- Automatic recovery following power outages
- Cost effective Field Maintenance tool



Applications

The 3010H and CMxxx sweep system is the ideal tool for the Sweep or Plant/Maintenance Technician to align and maintain your HFC network.

- Rack space in the Headend is limited. By utilizing the Dual Path mode, 3010H eliminates the need for a separate Forward Sweep transmitter and Return Path monitor.
- Manually switching nodes for sweeping can be time consuming, affecting multiple technicians or increasing drive time. The 3010H can control up to eight switches for a total of 128 nodes automatically.
- The Return Spectrum and Spectrum Scan modes are used to troubleshoot ingress in any portion of the network. The Return Ingress mode in the CM3xxx allows you to control the Spectrum Scan measurement and the switches connected to the 3010H from the field. The Spectrum mode in the CM3xxx is used to measure ingress in the upstream or distortions in the Downstream in any portion of the network.
- CM2800 & CM3800 Compatible. Either, may be used in the field as a sweep receiver and upstream sweep generator. Sunrise Telecom's new CaLan compatible CM3800 Sweep System and DOCSIS 3.0 Cable Modem Network Analyzer is the latest addition to our installation, service and plant verification testing and troubleshooting solutions. An intuitive user interface, VGA color touch screen and Windows CE™ operating system combined with a comprehensive measurement suite and an extensive PC toolkit simplify and speed plant maintenance and increase quality of service.
 - High resolution true non-interfering 4 to 1100 MHz downstream sweep system with Manual & Automatic Gain & Slope Offsets
 - Fast 4 to 200 MHz upstream sweep, plus ingress detection and display
 - Fast 1 GHz Spectrum Analyzer with 1,000 MHz Span and 1 MHz to 30 kHz RBW
 - WiFi 802.11g Wireless USB Adapter option with WiFi Discovery



- System rough balance is quickly accomplished using the Min-Scan mode. Select 2 to any number of channels throughout the spectrum and view their level compared to min and max settings, as well as the tilt and peak-to-valley.
- Full Channel Scan is a quick way to view the levels of all channels on the network in one screen. Channel Scan can be used to perform the semi-annual FCC 24-hour test. Channel Scan measurements stored in the instrument can be quickly checked to make sure they pass the FCC requirement by viewing the FCC Pass/Fail report in the instrument or by sending the report to a printer.

Ordering Information

85963A CaLan 3010H Headend Sweep/Ingress Transmitter
Includes Dual Path mode, Switch control, Power
Cable and Manual

CMxxx Please see the CM3000 and CM3800 datasheets.



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