

## VIavi SDA Series

A "One Box" philosophy shaped the design of the SDA series, adding the analog and digital test tools most requested by field technicians and system operators throughout the world. A lightweight, rugged and affordable meter with the versatility to test the latest digital services while maintaining the analog spectrum.



### ANALOG TESTING

- Forward RF sweep
- RF Level, fast scan, tilt
- In service carrier to noise, Hum, depth of mod.
- Fast spectrum display with CTB/CSO
- Auto Testing/24-Hour Testing (FCC and CENELEC compliant)

### RETURN PATH TESTING

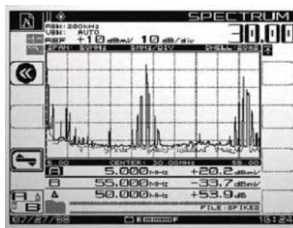
- Reverse RF sweep
- PathTrak field view (option)
- Reverse alignment mode prepares network for cable modem deployment
- Zero span spectrum mode
- DOCSIS compatible cable modem analysis

### ADVANCED DIGITAL TESTING

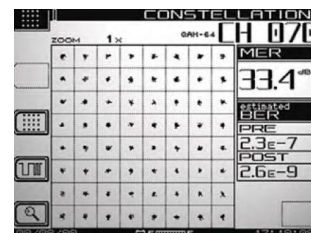
- DigiCheck average power
- QAM view digital analysis with MER, Pre/Post FEC BER, constellation, and exclusive noise/ingress under the carrier measurement



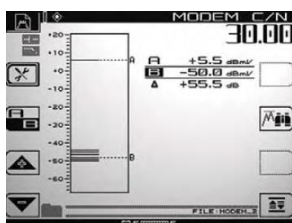
Forward and Reverse Sweep



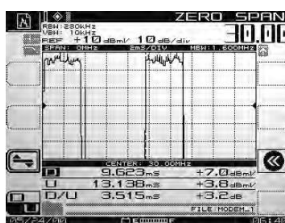
Reverse Ingress Spectrum



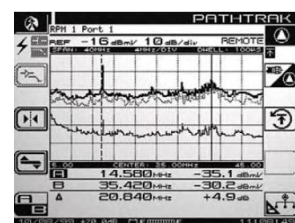
Constellation Diagramm



C/N Measurement



Zero Span/Time Domain Mode



Field View: Path Trek Spectrum

### SDA 5500 SWEEP TRANSCEIVER – HEADEND-UNIT

SDA 5500 Transceiver communicates with the field unit SDA 5000. Sweeping is provided for forward and return path. In the return path sweep modus detailed measurement data and the reverse spectrum are retransmitted to the field unit.

## SDA 5510 SWEEP MANAGER –MULTIPLE USER REVERSE TESTING

For intense reverse testing requirements, the rack mounted model SDA 5510 headend reverse sweep manager handles the reverse sweep job for up to ten different technicians on the same cluster of nodes. Same housing as SDA 5500.

