



The SDA-5500 has been designed to be rack-mounted. It has the complete functional range of a signal-analyser and displays the values of single analogue channels. After switching to a single channel a range of detailed information is available.

The SDA-5500 enables you to do proactive tests for the maintenance of CATV-systems easily and with high accuracy. The sweep-system consists of two components: The field-meter (SDA-5000) and one or two headend-meters (SDA-5500 and SDA-5510). The measurement of the frequency response is done by injecting weak signals into unused areas and usage of existing carriers in used frequency spectrums.

Additionally to the generation of sweep-test-signals the SDA-5500 measures the carriers continuously. With every refreshment of the sweep-data the meter sends the measured headend-levels to the field-meters.

The headend-sweep-generator (SDA5500) is configured to receive returnpath-sweep-signals from the field. When returnpath-sweeping is enabled from a testpoint in the field, it receives the returnpath-telemetry-signals, showing which field-receiver the signals sends. The headend-transmitter measures these signals and submits the results via the forward-path back to the field.

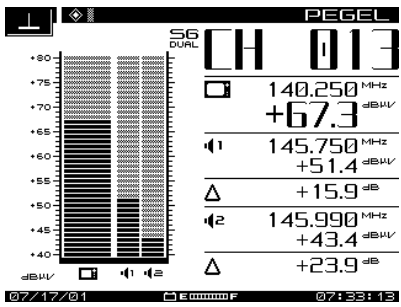
Functions:

- Level (analogue / digital)
- Scan-Display
- Autotest
- Tilt
- C/N
- Hum
- Modulation-Measurement
- Spectrum analysis
- Zero-Span display
- CSO / CTB (analogue)

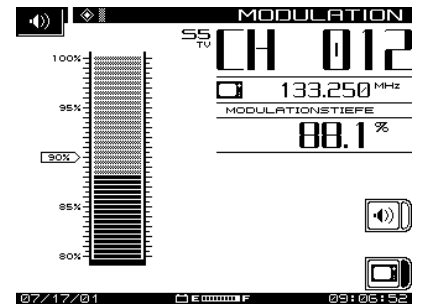
Specifications:

Frequency range :
5 bis 1000 MHz

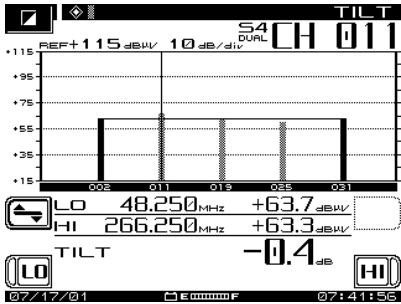
Level meter: 20 to 120 dB μ V
Accuracy: $\pm 1,0$ dB from -20 - $+50$ °C
Linearity: $\pm 0,5$ dB
Serial interface RS232
test-socket: F-female (BNC optional)



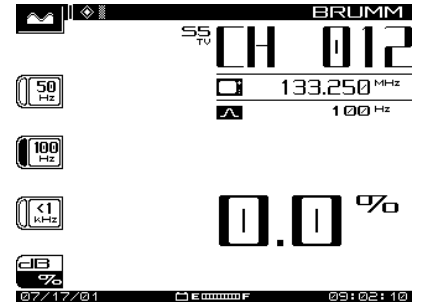
Level



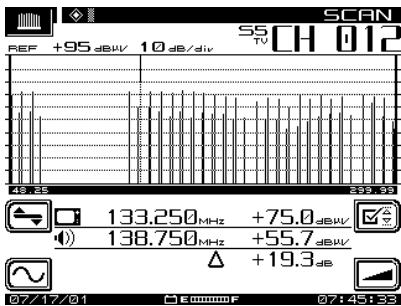
Modulation



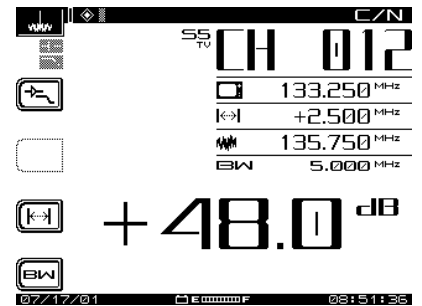
Tilt



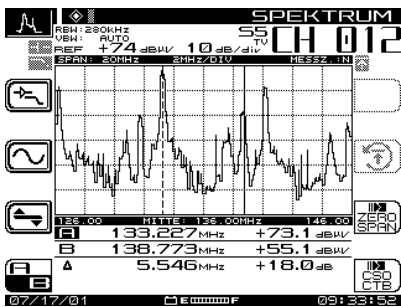
Hum



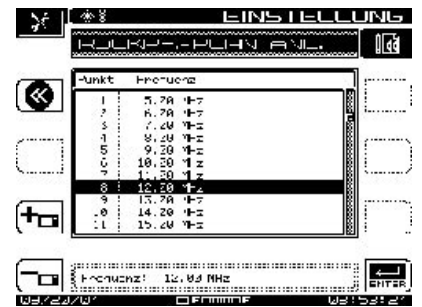
Scan



C/N

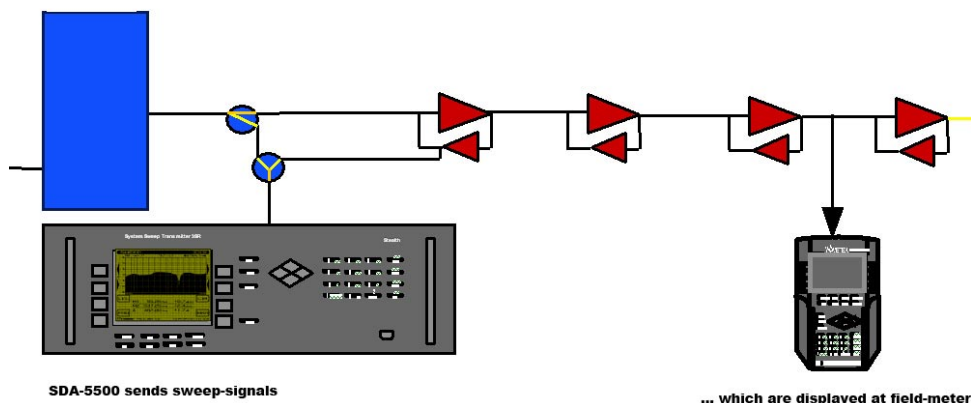


Spectrum



Creation of own returnpath-plans

Sweep with SDA-5500



SDA-5500 sends sweep-signals

... which are displayed at field-meter