

# Spectrum Analyzers

2635

2630

2625

A great tool for professionals in the cable TV industry as well as in the telecommunication. It is a value packed service tool for signals up to 1.05GHz. All three models are suitable for pre-compliance testing during development prior to third party testing.

An optional near-field sniffer probe set (PR-261) can be used to locate cable and PC board emission "hot spots" and evaluate EMC problems at the breadboard and prototype level. The spectrum analyzer/sniffer probe combination is an excellent solution for RF leakage/radiation investigation, CATV/MATV system troubleshooting, cellular telephone/pocket pager test and EMI diagnostics.

Convenient carrying case is available.

## Models 2625, 2630 & 2635

### Performance

- 150kHz to 1.05GHz (1050MHz)
- Dynamic Range 80dB (113dB with attenuation)
- AM & FM demodulator included
- 20 and 400 kHz resolution bandwidth
- 150kHz/hour stability
- Built-in tracking generator (Model 2630 & 2635)

### Applications

- Test cable TV levels and frequency response
- Test master antenna TV systems
- Measure communications transmitter spurious radiation
- Locate sources of EMI
- Measure unwanted RF radiation

## Model 2635

- Save/Recall
- Frequency and level marker
- RS-232 interface

## Specifications

models

2625, 2630 & 2635

Frequency	1.05GHz (1050MHz)
Frequency range	0.15MHz to 1.05GHz (1050MHz) (-3dB)
Center frequency display accuracy	±100kHz
Marker accuracy	±(0.1% span + 100kHz)
Frequency display resolution	100kHz (4 digit LED)
Frequency scanwidth	100kHz/div to 100MHz/div in 1-2-5 steps and 0Hz/div (Zero Scan)
Frequency scanwidth accuracy	±10%
Frequency stability	Drift: <150kHz/hour
IF Bandwidth (-3dB)	Resolution: 800kHz and 20kHz. Video-Filter on: 4kHz
Sweep rate	43Hz
AMPLITUDE	
Amplitude range	-100dBm to +13dBm
Screen display range	80dB (10dB/div.)
Reference level	-27dBm to +13dBm (in 10dB steps)
Reference level accuracy	±2dB
Average noise level	-99dBm (12.5kHz BW)
Second and third harmonic	<-75dBc
Third order intermod.	-70dBc (two signals >3MHz apart)
Log scale fidelity	±2dB (without attn.) 250MHz
IF gain	10dB adjustment range
INPUT	
Input impedance	50Ω
Input connector	BNC
Input attenuator	0 to 40 dB (4 x 10dB steps)
Input attenuator accuracy	±1dB
Maximum input level	+10dBm, ±25VDC (with 0dB attenuation); +20dBm (with 40dB attenuation)
TRACKING GENERATOR (Model 2630 & 2635)	
Output level range	-50dBm to +1dBm (in 10dB steps and var.)
Output attenuator	0 to 40dB (4 x 10dB steps)
Output attenuator accuracy	±1dB
Output impedance	50Ω (BNC)
Frequency range	0.15MHz to 1050MHz
Frequency response	±1.5dB
Radio Frequency Interference (RFI)	<20dBc
GENERAL	
Operating temperature	50° to 122°F (10°C to 50°C)
Display	CRT. 6 inch, 8 x 10 div. internal graticule
Trace rotation	Adjustable on front panel
Line voltage	90-260Vac, 50/60 Hz (125V, 400Hz)
Power consumption	approx. 20W
Max. ambient temperature	14° to 104°F (-10°C to +40°C)
Protective system	Safety Class I (IEC 348)
Weight	approx. 13.2 lbs. (6.0 kg)
Dimensions (HxWxD)	4.9 x 11.2 x 15" (125 x 285 x 380mm)

## Accessories

One Year Warranty

SUPPLIED: Instruction Manual, Power Cord, Software(2635 only)  
 OPTIONAL: AT-21 Telescoping Antenna, PR-70 Active FET Probe, PR-261 Near-field Sniffer Probe, TE-26 50Ω feedthru termination, RM-26 19-inch Rackmount Adapter, ZTF-1 50Ω to 75Ω Adapter, LC-210A Carrying Case