

# μ-TEK

## SPECTRUM ANALYZER

### SA-5010A / SA-5011A

#### FEATURES

- Frequency Range: 0.15MHz~1150MHz
- 6 Rectangular CRT with internal graticule
- 4½ Digit Display [Center & Marker Frequency, 0.1 MHz resolution]
- Measurement Range -100dB to +13dBm
- Resolution Bandwidth, RBW (-3dB): 20kHz, 400kHz
- Video Bandwidth, VBW: 4kHz, 400kHz
- Output Voltage: +1dBm to -50dBm (50 ohm)
- AM-Demodulator Ear Phone
- Probe Power 6V [Close Field Probes]
- Tracking Generator [SA-5011A only]



#### SPECIFICATIONS

FUNCTIONS		MODELS	
		SA-5010A	SA-5011A
FREQUENCY CHARACTERISTICS	Frequency range	0.15MHz to 1150MHz	
	Frequency resolution display	100kHz (4½ digit)	
	Center frequency range	0 to 1150MHz	
	Frequency accuracy	+100kHz	
	Stability(Drift)	<150kHz/h	
	Span: 0Hz (Zero span)	100kHz/Div to 100MHz/Div in steps of 1-2-5	
	Span accuracy	±10%	
	Frequency marker resolution	4½digit	
	Marker accuracy	±0.1% Span+ 100kHz	
	Resolution bandwidth, RBW(-3dB)	20kHz,400kHz	
	Video bandwidth, VBM	4kHz,400kHz	
SWT (fixed)	23ms		
AMPLITUDE CHARACTERISTICS	Measurement range	-100dBm to+13dBm	
	Display average noise level	-103dBm (250KHz RBW)	
	Frequency response	± 2dB (Relative to 1150MHz, Attenuator 10dB)	
	Input attenuator range	0dBto40dB, 10dB steps	
	Accuracy (reference level)	± 2dB	
	Maximum safe input level	Attenuator setting 20dB: +20dBm (0.1W)	
		Attenuator setting 0dB: +10dBm	
TRACKING GENERATOR	Output frequency range	-	0.15MHz to1150MHz
	Output power level	-	-50dBm to +1dBm (in 10dB steps and var.)
	Output attenuator	-	0 to 40dB(4x1 0dB steps)
	Output attenuator accuracy	-	± 1dB
	Output flatness	-	150KHz to1150MHz, ±2dB
	Spurious output	-	Harmonic spurs /non-harmonic spurs < 20dBc
	Output impedance	-	50Ω/(BNC Female)
MISCELLANEOUS	AM-Demodulator	Ear phones	
	Probe power	6V (Close field probes)	
GENERAL INFORMATION	Display CRT	6"-inch rectangular screen with internal graticule: 8x10 Div	
	Trace rotation	Adjustable on front panel	
OTHERS	Operating temperature	+10 °C ~+40°C	
	Operating voltage	220V ±10%, 50Hz/60Hz, 34W	
	Weight	Approx. 7kg	
	Dimension	285(W)x125(H)x380(D)mm	
	Accessories	operator's manual 1, power cord 1, BNC cable 1	