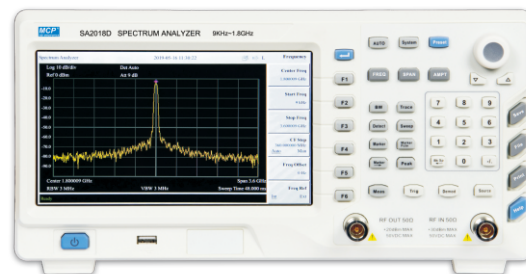


SA2000 SERIES



Feature

- .Frequency range 9kHz~1.8GHz/3.0GHz
- .Resolution bandwidth 1Hz~3MHz, sensitivity better than -158dBm
- .Double source function, tracking/independence
- .Acquisition of fast transient signals with application-specific transient detector
- .Waterfall curve, modulation quality analysis, audio demodulation function
- .Field strength, demodulation measure, S11 / S21 parameter and signal channel measure
- .Pass-fail and others field test warning abilities
- .8" color TFT-LCD display, multitracking operational measurement



SA2018D

Technical data	SA2018/SA2018D	SA2030/SA2030D
Frequency range	9kHz~1.8GHz	9kHz~3.0GHz
Frequency resolution	1Hz	
Frequency readout accuracy	$\pm(\text{frequency indication} \times \text{frequency accuracy} + 1\% \text{span} + 10\% \text{RBW} + 0.5 \times [\text{span}/(\text{sweep dot}-1)] + 1\text{Hz})$	
Aging rate	<2ppm/year	
Temperature drift	<1ppm, 15°C~35°C	
Bandwidth resolution	10Hz~500kHz(1~10kHz step), 1MHz, 3MHz	
Resolution filter shape factor	<5:19 (typical value, RBW≤500kHz)	
Resolution bandwidth accuracy	<5%(typical value)	
Video bandwidth	10Hz~3MHz, in 1-3-10 sequence	
DANL (preamplifier off/on) 1Hz RBW	100kHz~1MHz <-100dBm-3x(f/100kHz)dB/<-120dBm-3x(f/100kHz)dB 1MHz~10MHz <-130dBm/<-150dBm 10MHz~1GHz <-135dBm/<-155dBm 1GHz~1.8GHz <-134dBm/<-153dBm 1GHz~3GHz <-130dBm/<-148dBm	
Phase noise	-90dBc/Hz (offset: 30kHz) -100dBc/Hz (offset: 10kHz) -115dBc/Hz (offset: 1MHz)	
Sweep time range	3ms~3000s (span≠0) 1ms~3000s (span=0)	
Sweep mode	continuous, single	
Frequency counter resolution	1Hz, 10Hz, 100Hz, 1kHz	
Frequency counter accuracy	frequency indication × frequency reference accuracy + frequency counter resolution	
Amplitude accuracy	±1.5dB (input signal 0dBm~-50dBm)	
Amplitude	Display average noise level (test range $f_c \geq 10\text{MHz}$)	+20dBm (SA2018/SA2018D) +27dBm (SA2030/SA2030D)
	Max. Input level (average continuous power)	+23dBm (SA2018/SA2018D) +27dBm (SA2030/SA2030D)
	Max. DC Input voltage	50V
	P1dB	+7dB
	IP3(>30MHz)	+13dB
Spurious & residual response	IP2	+30dB
	Input spurious	<-60dBm
	Residual response	<-90dBm (SA2018/SA2018D) <-85dBm (SA2030/SA2030D)
Tracking source (SA2018D/SA2030D)	Frequency range	100kHz~1.8GHz (SA2018D) 100kHz~3.0GHz (SA2030D)
	Output power	-30dBm~0dBm, 1dB step
	Output flatness	±3dB

SPECTRUM ANALYZER

Technical data	SA2018/SA2018D	SA2030/SA2030D
Input & output	RF input	N female, 50 Ω
	USB	USB2.0 (H), USB2.0 (D)
	LAN	10/100 Base-T, RJ-45
	RS232	9 pin, D-SUB femail
	Time base in/out	10MHz, BNC female, input power 0dBm~10dBm, output power 0dBm \pm 2dB
	VGA	800 \times 460,60Hz, 15 pin, D-SUB female
	Trigger input	BNC female, 5V TTL level (max. \pm 10V, 100mA)
	AM/FM demodulation	3.5 jack female
Display screen	8 " TFT-LCD	
Weight	4kg	
Dimensions (W \times H \times D)	335 \times 162 \times 116 mm	
Power source	100V~240V, 40Hz~60Hz, 20W	