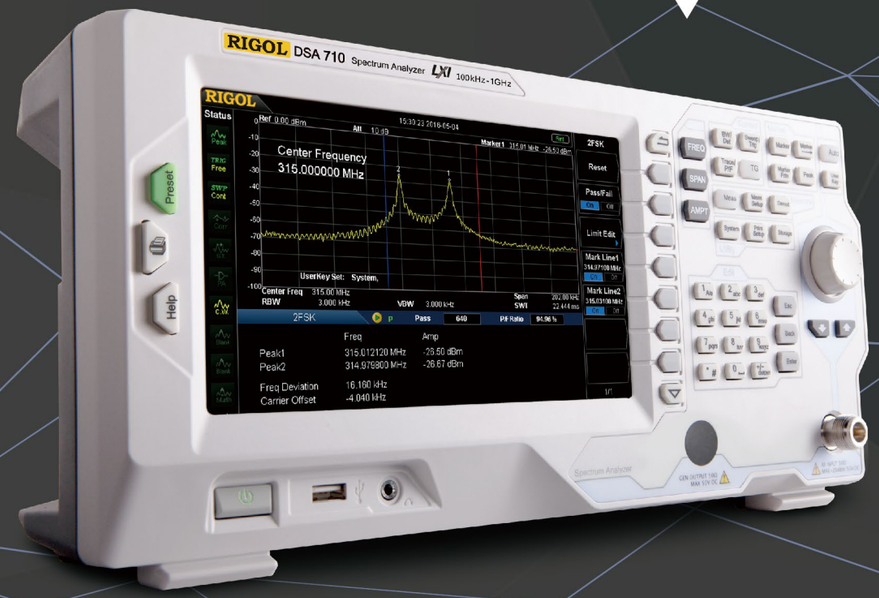
RIGOL
Innovation or nothing

Signal Seamless Capture in SSC mode



DSA700 Series Spectrum Analyzer

HEADQUARTER

RIGOL TECHNOLOGIES, INC.
No.156,Cai He Village,
Sha He Town,
Chang Ping District, Beijing,
102206 P.R.China
Tel:+86-10-80706688
Fax:+86-10-80705070
Electronic Measurement
Instrument service and support
email:EMD_support@rigol.com

EUROPE

RIGOL TECHNOLOGIES GmbH
Lindbergh str. 4
82178 Puchheim
Germany
Tel: 0049- 89/89418950
Email: info-europe@rigoltech.com

NORTH AMERICA

RIGOL TECHNOLOGIES, USA INC.
10200 SW Allen Blvd, Suite C
Beaverton, OR 97005, USA
Toll free: 877-4-RIGOL-1
Office: (440) 232-4488
Fax: (216)-754-8107
Email: info@rigol.com

JAPAN

RIGOL TECHNOLOGIES JAPAN G.K.
Tonematsu Bldg. 5F, 2-33-8 Nihonbashi-Ningyocho, Chuo-ku,
Tokyo 103-0013
Japan
Tel: +81-3-6264-9251
Fax: +81-3-6264-9252
Email: info-japan@rigol.com

RIGOL TECHNOLOGIES,INC.

Advantages and Characteristics

- All-Digital IF Technology
- Frequency Range from 100 kHz up to 1 GHz
- Min. -130 dBm Displayed Average Noise Level (Typ.)
- Min. -80 dBc/Hz @ 10 kHz Offset Phase Noise
- Level Measurement Uncertainty <1.5 dB
- 100 Hz Minimum Resolution Bandwidth
- 2FSK modulation signal measurement and analysis function in SSC mode
- Optional EMI pre-compliance test function
- EMI Filter & Quasi-Peak Detector Kit (Opt.)
- Advanced Measurement Functions (Opt.)
- Optional RF TX/RX Training Kit
- Optional RF Accessories (Cable, Adaptor, Attenuator ...)
- Complete Connectivity: LAN (LXI), USB Host & Device, GPIB (Opt.)
- 8 Inch TFT LCD Display
- Compact Size, Light Weight Design

Brief Technical Parameters

Frequency			
		DSA705	DSA710
Frequency range		100 kHz to 500 MHz	100 kHz to 1 GHz
Frequency resolution		1 Hz	
SSB Phase Noise			
		DSA705	DSA710
		20℃ to 30℃ ,f_c=500 MHz	20℃ to 30℃ ,f_c=1 GHz
Carrier offset	10 kHz	<-80 dBc/Hz	
	100 kHz	<-100 dBc/Hz（typ. ）	
Amplitude Measurement Range			
Range		f_c ≥ 10 MHz	
		DANL to +20 dBm	
Displayed Average Noise Level (DANL) (Normalized to 1Hz)			
		DSA705	DSA710
		attenuation = 0 dB, RBW = VBW = 100 Hz, sample detector, trace average ≥ 50, normalized to 1Hz, 20℃ to 30℃ , input impendence = 50 Ω	
PA OFF		<-110 dBm（typ. ）	<-110 dBm（typ. ）
PA ON		<-130 dBm（typ. ）	<-130 dBm（typ. ）
Distortion			
		DSA705	DSA710
Second harmonic intercept (SHI)		f_c ≥ 50 MHz, input signal level = -20 dBm, attenuation = 10 dB	
		+40 dBm	
Third-order intercept (TOI)		f_c ≥ 50 MHz, two -20 dBm tones at input mixer spaced by 200 kHz, attenuation = 10 dB	
		+10 dBm	
Signal Seamless Capture (SSC—Opt.)			
Measurement bandwidth		202 kHz	
Measurement speed		650 spectrums/s	

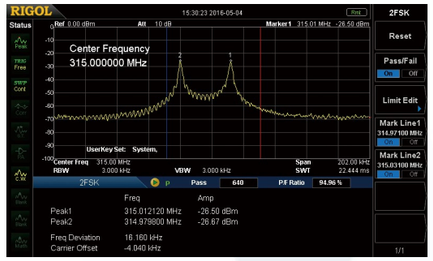
Advantages and Characteristics

- Measurement for Remote controller, car keys and other signals based on 2FSK modulation
- The mass production requirements for testing and monitoring of the spectral signals
- EMI pre-compliance testing
- Channel power monitoring and pass/fail verifications.
- Measurement requirements for electronics fans of spectrum analyzer
- Applicable to RF industrial region, such as R&D, lower cost manufacture industry, etc.
- Combined with Microwave & RF education and training kit; applicable to RF education field; get to deeply understand the theories by practical operations

Design Features

Measurement for Remote controller, car keys and other signals based on 2FSK modulation ,
Not only retains the stable and integration of digital spectrum analyzer , but also the ripid capture characteristic of anolog spectrum analyzer .

It is the most cost-effective EMI pre-compatibility testing tool. The built-in testing function of the tool can help engineers to quickly locate the problems of the products being measured, enabling the products to pass the testing conducted by EMC



Price and Application Solutions

Please contact the RIGOL Regional Sales Manager for further information

Ordering Information

	Description	Order Number
Model	spectrum analyzer, 100 kHz to 500 MHz (with preamplifier)	DSA705
	spectrum analyzer, 100 kHz to 1 GHz (with preamplifier)	DSA710
Standard accessories	quick guide (hard copy)	-
	power cable	-
Options	EMI filter & quasi-peak detector	EMI-DSA800
	advanced measurement kit	AMK-DSA800
	DSA PC software	Ultra Spectrum
	signal seamless capture	SSC-DSA
Optional accessories	include: N-SMA cable, BNC-BNC cable, N-BNC adaptor, N-SMA adaptor, 75 Ω to 50 Ω adaptor, 900 MHz/1.8 GHz antenna (2pcs), 2.4 GHz antenna (2pcs)	DSA Utility Kit
	include: N(F)-N(F) adaptor (1pcs), N(M)-N(M) adaptor (1pcs), N(M)-SMA(F) adaptor (2pcs), N(M)-BNC(F) adaptor (2pcs), SMA(F)-SMA(F) adaptor (1pcs), SMA(M)-SMA(M) adaptor (1pcs), BNC T type adaptor (1pcs), 50 Ω SMA load (1pcs), 50 Ω BNC impedance adaptor (1pcs)	RF Adaptor Kit
	include: 50 Ω to 75 Ω adaptor (2pcs)	RF CATV Kit
	include: 6dB attenuator (1pcs), 10dB attenuator (2pcs)	RF Attenuator Kit
	30dB high power attenuator, max. power 100W	ATT03301H
	N(M)-N(M) RF cable	CB-NM-NM-75-L-12G
	N(M)-SMA(M) RF cable	CB-NM-SMAM-75-L-12G
	RF demo kit (transmitter)	TX1000
	RF demo kit (receiver)	RX1000
	near field probe	NFP-3
	EMI pre-compliance test software	S1210 EMI Pre-compliance Software
	rack mount kit	RM-DSA800
	soft carrying bag	BAG-G1
	USB to GPIB interface converter for instrument	USB-GPIB