

AEROFLEX

A passion for performance.



Spectrum Analyzers

Spectrum Analyzers



Introducing a comprehensive range of Spectrum Analyzers that deliver advanced performance and exceptional capabilities at affordable pricing.

Designed for the professional the easy to operate, compact design and affordably priced Aeroflex range offers versatile solutions for performance focussed, cost concious users working in the development, production, installation and servicing of RF systems.

2390 Series

2390 Series



2399C 1 kHz to 3 GHz

- Lightweight, portable and rugged construction at 9.4 kg (20.7 lbs.)
- Excellent TFT color display
- Comprehensive marker facility
- Wide input signal range +30 dBm to -110 dBm
- Optional tracking generator
- Semi-automated measurements
- USB 2.0 interface
- User friendly MMI reduces risk of operator error
- Auto-Tune facility
- GPIB as standard
- AM/FM demodulation
- Optional internal pre-amplifier

Advanced performance, exceptional price and available in a portable instrument.

The 2399C is the latest model in a range of cost focussed entry level spectrum analyzers from Aeroflex. Employing a lightweight, portable rugged construction, a weight of only 9.4kg (20.7 lbs.) is achieved making the 2399C one of the lightest spectrum analyzers available on the market.

Available with a multitude of software and hardware options to ensure comprehensive measurement capability the 2399C offers exceptional value for money.

Semi-Automated Measurements

The MMI on the 2399C has been designed to simplify many of the measurements required for the evaluation of today's sophisticated communications systems. These include Adjacent Channel Power, X dB Down, Occupied Bandwidth, Channel Power and Harmonic Distortion.

Signal Demodulation

Demodulation of both AM and FM signals allows full testing on a wide range of communications systems. The demodulated signal can be viewed on the screen and is also available on the internal loudspeaker and on headphones via a connector on the front panel. The FM peak deviation and AM modulation depth can be measured using the markers provided in the 2399C.

Distance to Fault Software Option

The 2399C spectrum analyzer is widely used by field installation and maintenance engineers for monitoring the spectral output from cell site transmitters. The new Distance to Fault (DTF) option allows measurement of VSWR of the RF feed cables and, in the event of failing test limits, will then perform a DTF (TDR) measurement to identify the faulty part of the feed system.

Extended range of operation

The 2394A and 2395A models extend the operation range of the 2390 Series to provide 13.2 GHz and 26.5 GHz operation.

3250 Series

3250 Series



- 3251 1 KHz to 3 GHz
- 3252 1 KHz to 8 GHz
- 3253 1 KHz to 13.2 GHz
- 3254 1 KHz to 26.5 GHz

1 kHz to 26.5 GHz Spectrum Analyzers

- 1 kHz - 3 GHz/8 GHz/13.2 GHz/26.5 GHz frequency range
- Powerful RF performance, phase noise -115 dBc/Hz, DANL -145 dBm/Hz
- Standard 30 MHz I/Q demodulation bandwidth
- Measurement personality options including GSM/EDGE, UMTS, CDMA2000/1xEVDO, WLAN and WiMAX¹
- Remote control via LAN, GPIB, RS-232C
- S/W extension based on Windows® XP OS
- 7" wide touch panel display
- Standard removable hard disk
- Optional battery
- Optional 3 GHz tracking generator - all models
- Portability based on light and compact design

¹ Available Q2/2009



Outstanding performance, exceptional price and innovative design

The NEW 3250 Series has been developed to provide market leading performance at a low cost. The innovative compact design 3250 spectrum analyzer employs the latest digital processing and RF technology, providing accomplished accuracy, stability and measurement speed.

To support the constantly evolving wireless communication market, the 3250 incorporates a standard 30 MHz bandwidth digitizer and basic digital modulation analysis S/W. The instrument has been optimized for various mobile and wireless communication measurements such as GSM/EDGE, UMTS, WiMAX and WiBRO.

With its powerful RF performance and advanced applications the 3250 Series is ideally suited for RF development, design analysis and testing. All models have a Windows® XP operating system, remote control capabilities via LAN, GPIB and RS-232C as well as a 7" touch panel screen, ensuring ease of operation and exceptional connectivity.

Optional measurement personality libraries for leading wireless communication technologies provide the 3250 Series exceptional measurement and demodulation capability for development and manufacturing engineers to optimize designs, improve throughput or examine signals.

Optional Tracking Generator

A tracking generator option is available for all three frequency models. The tracking generator has a specified frequency range of 9 kHz to 3 GHz and a level range from 0 dBm down to -70 dBm with 0.1 dB resolution. The tracking generator can be used to make high dynamic range measurements on components and devices, particularly filters. A normalize function is available to allow the markers to display relative flatness/frequency response.



3280A Series

3280A Series



3281A 3 Hz to 3 GHz

3282A 3 Hz to 13.2 GHz

3283A 3 Hz to 26.5 GHz

3 Hz to 26.5 GHz Spectrum Analyzers

- 3 Hz to 26.5 GHz frequency range
- High level accuracy ± 0.15 dB up to 3 GHz
- Digital IF offers resolution bandwidths from 5 MHz to 1 Hz
- Standard 30 MHz I/Q demodulation bandwidth
- Low DANL of < -150 dBm/Hz
- + 18 dBm third order intermodulation performance
- Excellent LO phase noise < -115 dBc/Hz, 1 GHz/10 kHz offset
- Digital demodulation option with 36 MHz analysis bandwidth
- Large TFT, 10.4" color display
- Marker readout via up to 9 selectable markers
- Windows® XP operating system
- Comprehensive data interfaces - CD ROM, USB, LAN
- Optional 3 GHz tracking generator - all models
- Measurement personality options including GSM/EDGE, UMTS, CDMA2000/1xEVDO, WLAN and WiMAX¹

¹ Available Q2/2009



Exceptional performance at an outstanding price

The 3280A Series has been designed to deliver the highest performance while retaining its outstanding price. Its RF and microwave performance incorporates the very latest digital signal processing technology enabling a superb level accuracy and a wide choice of resolution bandwidths.

Ideally suited to design and manufacturing of cellular and wireless communications, general purpose, aerospace and defence applications. The 3280A Series uses Windows® XP operating system and a large color TFT LCD screen, ensuring the 3280A is extremely easy to operate and has exceptional connectivity.

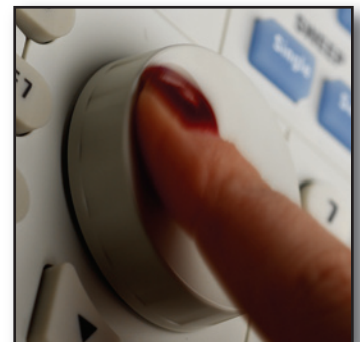
The introduction of optional measurement personality libraries has enabled the 3280A to offer exceptional measurement and demodulation capability, ensuring that all existing cellular technologies and emerging wireless communications are supported at the touch of a button.

Signal Demodulation

In addition to the standard demodulation feature of AM and FM, the 3280A Series also supports digital modulation standards through the use of an internal option module with appropriate software suites. A streaming LVDS (digital IQ) output is available for the digital demodulator as an additional option.

Optional Tracking Generator

A tracking generator option is available for all three frequency models. The tracking generator has a specified frequency range of 9 kHz to 3 GHz and a level range from 0 dBm down to -70 dBm with 0.1 dB resolution. The tracking generator can be used to make high dynamic range measurements on components and devices, particularly filters. A normalize function is available to allow the markers to display relative flatness/frequency response.



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Our passion for performance is defined by three attributes represented by these three icons: solution-minded, performance-driven and customer-focused.

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