

AE-366 B 3 GHz Spectrum Analyser

The **AE-366 B** is a low cost, portable and small-sized 3 GHz spectrum analyser. It offers all the main features of an advanced spectrum analyser.

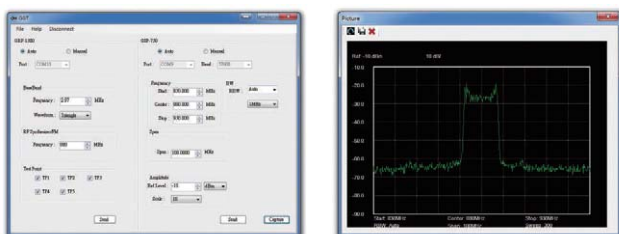
The **AE-366 B** is specially designed to fulfil the needs of RF telecommunications in the educational field as well as to be the perfect tool for electronic labs.

It features a wide range of functions such as markers, traces, power measurements, limit lines, split screen display and sync that allow to perform the measurements easier and faster. It has USB and RS-232 ports as well as a direct VGA output which is ideal to perform slide shows.



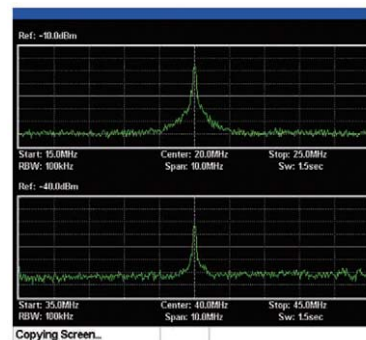
Remote control software

The dedicated PC software is provided to support the remote control of **AE-366 B**. The control includes Frequency, Span, Amplitude, Resolution Bandwidth (RBW) and spectrum trace transferring.



Split-window display in live mode

Under Split Window Display Mode, the monitor will display two independent screens, which can respectively have separated settings. For instance, if **AE-366 B** spectrum analyser is used for processing a test between fundamental and harmonic signals, the separated screens can respectively set at different frequencies at the same time in order to process the measurement.



3 GHz Spectrum Analyser AE-366 B: Details which make the difference

- ✓ **Low cost 3 GHz spectrum analyser**
- ✓ **AUTOSET function:** One-key automatic setup of the analyser
- ✓ **Three-trace display:** Max/Min hold, average...
- ✓ **Up to 5 markers:** Automatic measurements on the trace
- ✓ **Graphical status bar:** Easier to use
- ✓ **Split window display:** Two simultaneous set-ups
- ✓ **PASS/FAIL filters:** Check the values directly
- ✓ **Power measurement:** ACPR / OCBW functions, Channel power...
- ✓ **Flexible connectivity:** Direct connection to an external monitor (VGA interface), USB mass storage devices and PC

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SPECIFICATIONS	AE-366 B - 3 GHz SPECTRUM ANALYSER
FREQUENCY Frequency Range Center Frequency Accuracy Frequency Span Accuracy Resolution Bandwidth SSB Phase Noise Inherit Spurious Response	From 150 kHz to 3 GHz 0.1 MHz Within ± 50 kHz (frequency span: from 0.3 GHz to 2.6GHz, 20 ± 5 °C) From 1 MHz to 3 GHz Within ± 3 % (frequency span: from 0.3 GHz to 2.6 GHz, 20 ± 5 °C) 30 kHz, 100 kHz, 300 kHz, 1 MHz -85 dBc/Hz (typical 500 kHz offset, resolution bandwidth: 30 kHz, Sweep time: 1,5 s Span: 1 MHz @ 1 GHz) Less than -45 dBc @ -40 dBm Reference level (typical less than -50 dBc)
AMPLITUDE Reference Level Accuracy Units Average Noise Level Frequency Characteristic Input Impedance Input VSWR Input damage level Input connector	From +20 to -40 dBm Within ± 2 dB (1 GHz); SPAN: 5 MHz dBm, dBmV, dB μ V ≤ -100 dBm (typical, center frequency: 1 GHz resolution bandwidth: 30 kHz) Within ± 3 dB @ 300 MHz ~ 2.6 GHz Within ± 6 dB @ 80 ~ 300 MHz, 2.6 ~ 3 GHz 50 Ω Less than 2.0 @ input attenuation ≥ 10 dB +30 dB (CW average power), 25 VDC N connector
SWEEP Sweep time Accuracy	From 300 ms to 8,4 s, auto (not adjustable) ± 2 % (frequency span: full span)
GENERAL FEATURES Display Communication interface VGA Output Power	640x480 pixels RGB color LCD RS-232C (Sub-D female 9 pins) USB connector (USB Host/Device <i>full speed</i> supported) Sub-D female 15 pins AC 100 ~ 250 V, 50/60 Hz
MECHANICAL FEATURES Dimensions Weight	296 (W.) x 105 (H.) x 105 (D.) mm Approx. 2.2 kg