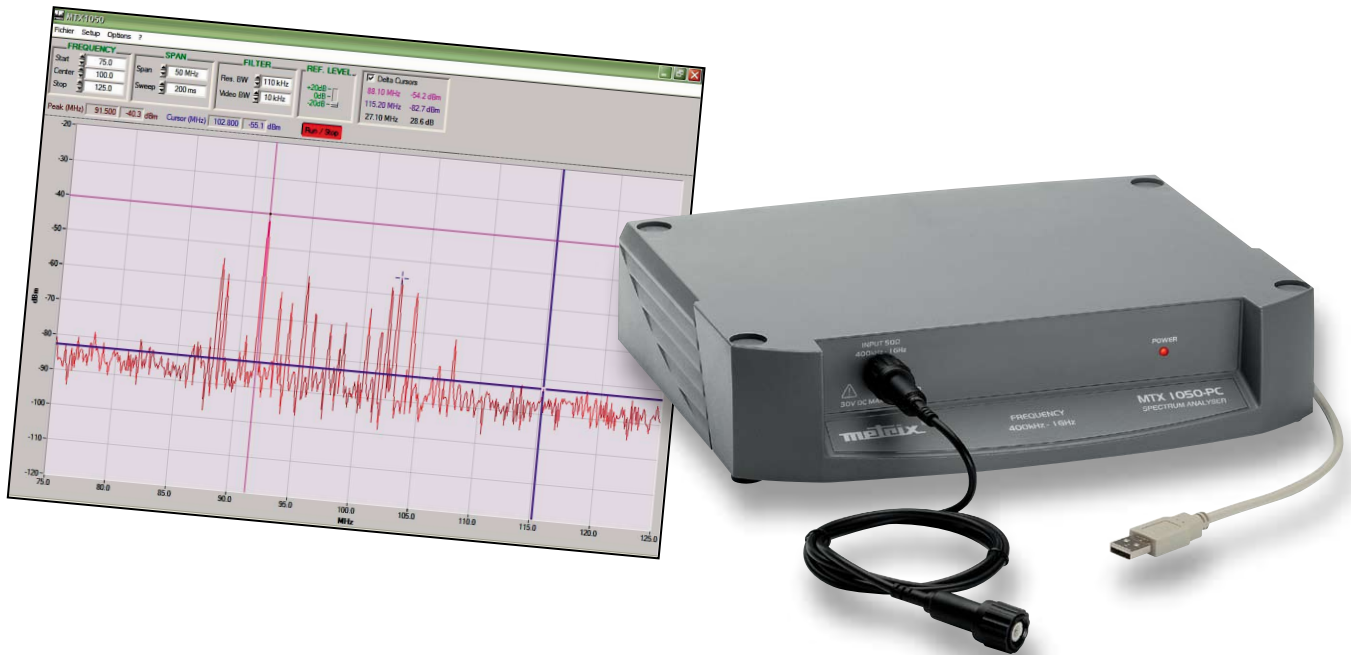


PC Spectrum analyzer 400 kHz to 1 GHz



**A high-performance instrument, PC ergonomics...
an easy to use Spectrum Analyzer!**

- Multi-purpose frequency range from 400 kHz to 1 GHz
- High level of stability with ± 5 ppm/year frequency drift
- Large measurement dynamic from -90 dBm to +20 dBm
- 6 sweep speeds, 3 analysis filters and 3 video filters
- EMC prequalification aptitude and integrated FM demodulation
- High resolution colour display and large dimensions on PC
- Up to 5,000 samples in horizontal resolution
- 4 simultaneous measurements (auto Peak, Marker, 2 delta cursors)
- Windows environment: screen shots in reports, transfers to Excel
- Unlimited reference and configuration memories, explicite names
- Plug & Play USB connection and multilingual PC software
- Extremely compact and economical on energy, and on price...

A Brand of

MTX 1050: PC Spectrum analyzer, 400 kHz to 1 GHz

Technical features	
FREQUENCY	
Display	Colour display, high resolution, large dimensions, on PC screen Up to 5,000 samples sweep in horizontal resolution (depending on speed)
Frequency range	400 kHz to 1 GHz
Central frequency span	4 1/2 digits – 10 kHz maxi
Oscillator	$\pm 0.625 \cdot 10^{-6}$ accuracy
Frequency drift	± 5 ppm/1 year
Frequency span	Zero Span, 1 MHz to 100 MHz/div – 1-2-5 sequence
Sweep	Normal or Single - 30 ms, 50 ms, 100 ms, 200 ms, 500 ms, 1 s
Detection modes	Peak (standard mode) or Q-Peak (EMC analysis; sweep time 1 s, RBW 120 kHz)
ANALYSIS BAND	
Resolution filters (RBW)	12 kHz, 120 kHz and 1 MHz
Video filters (VBW)	1 kHz, 10 kHz and 300 kHz
AMPLITUDE	
Reference levels	-20 dBm, 0 dBm, and +20 dBm
Reference level accuracy	± 1 dB to 300 MHz (23 °C) for an input of -20 dBm (RBW 1 MHz, VBW 300 kHz)
Measurement range	from -90 dBm to +20 dBm
Noise floor level (measurement dynamic)	without amp: -80 dBm (12 kHz filter, Avg 16) – with amp: -95 dBm (12 kHz filter, Avg 16)
Display ranges	50 dB and 100 dB
Amplitude linearity	± 2 dB to 23°C
Frequency response (Flatness)	± 1.5 dB to 23°C, for -20 dBm input
Harmonics distortion	< -40 dBc, for -20 dBm input
Non-harmonics distortion	< -70 dBc (< -60 dBc on identified frequencies)
INPUT	
Permissible overvoltage	+25 dBm permanent, ± 30 Vdc
Impedance	50 Ω nominal
Input attenuation / Amplification	One 20 dB nominal attenuator, one 20 dB nominal amp
Connector	"BNC" type
CURSORS	
Number of cursors	4 simultaneous cursors
Cursor modes	1 automatic Peak detection marker, 1 magnetised trace cursor and 2 delta cursors
Resolution	0.3 dB – 10 kHz / 0.1dB - 10 kHz (AVG mode)
Units	dBm or dB μ V
FUNCTIONS	
Traces memories	On PC, unlimited number, with explicit names – Storage and comparison of reference spans 100 to 5,000 samples sweep (depending on sweep speed)
Configuration memories	On PC, unlimited number, with explicit names – Storage and recall of complete settings
Function on traces	Averaging (from 2 to 64 factors) / noise suppression and dynamic improvement Comparison to a reference, and variations measurement (frequency and amplitude) Calculation of the difference (Spectrum - Reference) and associated measurements Screen shot with all settings – Transfer to Excel
Demodulation	FM, with 0.2 W integrated loudspeaker
PC COMMUNICATION	
Interface	Plug & Play USB as standard
Processing software	"Real time" for Remote control & Analysis - 5 languages (EN, FR, GER, IT, SP)
General features	
Mains power	230 Vac, ± 10 %, 50/60 Hz, approx 7 W
Safety/Standards	IEC 61010-1 - Cat. II / NF EN 61326-1 : 98
Dimensions / Weight	270 (L) x 63 (H) x 215 (D) mm / 1.7 kg

Packaging:

1 MTX 1050 analyzer
1 USB communication lead
1 mains lead
1 CD-ROM including PC application software and instruction manual
1 BNC connection HF aerial

To order:

MTX1050-PC: "MTX pack" 1GHz spectrum analyzer



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