

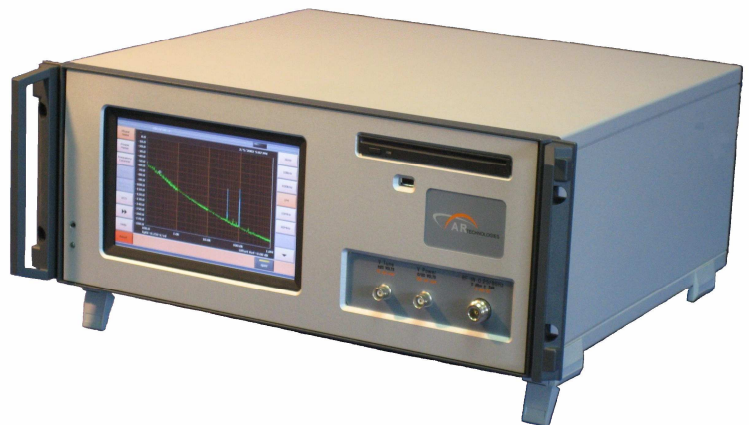
VELOX-280A PHASE NOISE ANALYSER

XTAL / PLL CHARACTERISATION TOOL FOR R&D AND PRODUCTION

SIGNAL ANALYSER VELOX 280-A

Phase noise measurement becomes accessible, fast and easy. The new VELOX-280A enables users to automatically and precisely measure phase noise in crystal and PLL sources.

The VELOX-280A, a 19-inch rack device, represents one of the most compact phase noise test sets on the market, with its internal PC architecture for simple data manipulation, exchange, networking, storage as well as print, whilst preserving the looks and sensations of a stand-alone instrument.



ALL IN ONE!

ART's VELOX-280A offers an essential set of measurements in a compact, state-of-the-art toolbox.

- Phase noise
- Frequency
- RF power
- Spectrum monitor (option)
- Isolator - amplifier for high impedance and low level DUT (option)

AUTOMATION BY CONNECTIVITY!

ART's VELOX-280A provides all sorts of connectors to various external systems to make your ATE easy and increase productivity:

- GPIB
- LAN
- USB

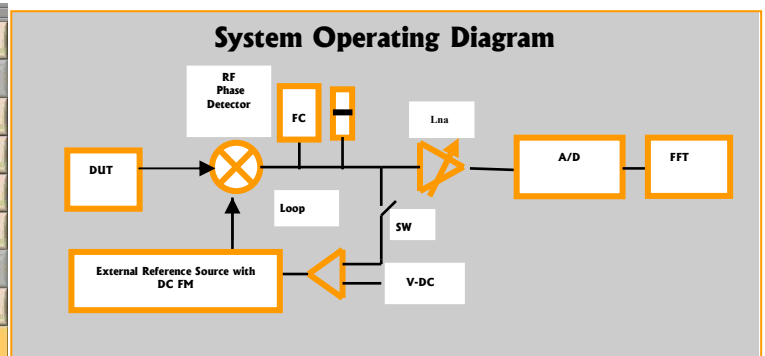
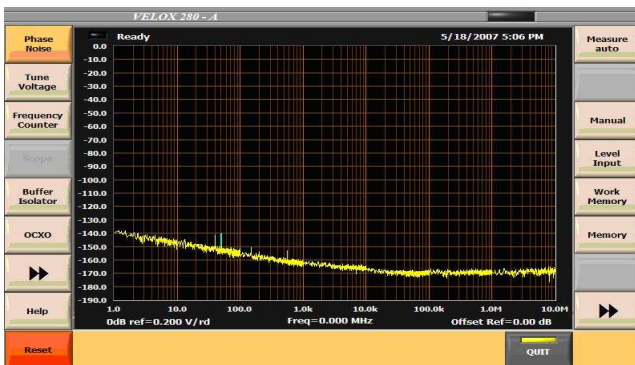
It does your go/no-go tests with easy setup.

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Your Partner for Testing

KEY SPECIFICATIONS

Frequency range 5MHz to 2GHz (18 GHz as option)
Offset analysis 1 Hz to 20 MHz
Input power level -20dBm to +20dBm

PARAMETERS	STANDARD RF	HIGH LEVEL RF
Frequency range, GHz	0.005 to 2	0.005 to 2
RF Input min. dBm	- 20	+ 10
RF input max. dBm	+ 10	+ 20
LO input min. dBm	0	+ 10
LO input max. dBm	+ 10	+ 20
Noise floor, in dBc/Hz at		
1 Hz offset	- 130	- 140
10 Hz	- 140	- 150
100 Hz	- 150	- 160
1 kHz	- 160	- 170
10 kHz	- 168	- 176
100 kHz & 20MHz	- 168	- 176
Nominal RF input level, dBm	+ 6	+ 16
Nominal LO input level dBm	+ 7	+ 17



Receivers:

Storage and print:

Display functions:

Dimensions & weight:

Power:

plug-in modules can be used to offer an important range of signal processing for signal analysis and calibration;
 internal hard disk, Ethernet connection, parallel printer port;
 spectrum default, spectrum density, phase noise, oscilloscope, level marker, delta marker;
 4U high, 19" rack mountable enclosure;
 110/120/220/240 VAC ($\pm 10\%$), 47 to 65 Hz

Nota: The manufacturer reserves himself the right to modify these specifications without notice. Any additional specifications supplied are to be regarded as "typical". Actual characteristics may vary depending on operating environment and other factors.

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