

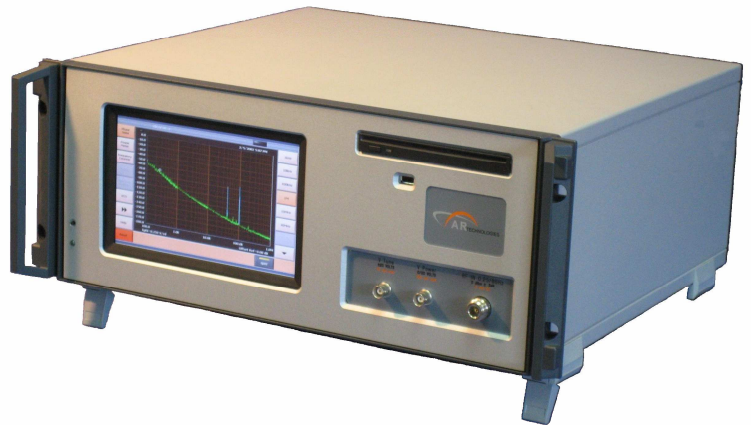
VELOX-180A PHASE NOISE ANALYSER

VCO CHARACTERISATION TOOL FOR R&D AND PRODUCTION

SIGNAL ANALYSER VELOX 180-A

Phase noise measurement becomes accessible, fast and easy. The new VELOX-180A enables users to automatically and precisely measure phase noise in VCOs and microwave sources.

The VELOX-180A, 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-180A offers an essential set of measurements in a compact, state-of-the-art toolbox.

- Phase noise
- Frequency
- RF power
- DC current
- Spectrum monitor (option)

AUTOMATION BY CONNECTIVITY!

ART's VELOX-180A 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.

.....
Your Partner for Testing



KEY SPECIFICATIONS

Frequency range	50MHz to 8GHz
Input power level	-20dBm to +20dBm

MEASUREMENT PARAMETERS

Frequency, RF Power and DC Current

Tester mode

Frequency, RF power and DC current

Analyser mode

Frequency pushing

Tuning sensitivity

RF power vs. DC control or power voltage

DC current vs. DC control or power voltage

DC sources:

Control voltage: -20 to +20 volt,
10mAmax

Power voltage: -17 to +17 volt,
80mAmax

RF power

Range : -30 to +20 dBm

Resolution: 0.1 dB

Accuracy: 1.5%

Frequency

Resolution: 100 Hz,

Accuracy: \pm (frequency resolution +
time base accuracy)

Spectrum monitor:

20MHz max. span



Offset frequency range: 100Hz to 40MHz

Phase noise sensitivity: see plots

Noise floor (typical) -165 dBc/Hz at 2GHz,
-150 dBc/Hz at 8GHz

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

Note: 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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