

ARTISAN®
TECHNOLOGY GROUP

Your **definitive** source for quality pre-owned equipment.

Artisan Technology Group
(217) 352-9330 | sales@artisantg.com | artisantg.com

Full-service, independent repair center
with experienced engineers and technicians on staff.

We buy your excess, underutilized, and idle equipment
along with credit for buybacks and trade-ins.

Custom engineering
so your equipment works exactly as you specify.

- Critical and expedited services
- In stock / Ready-to-ship
- Leasing / Rentals / Demos
- ITAR-certified secure asset solutions

Expert team | Trust guarantee | 100% satisfaction

All trademarks, brand names, and brands appearing herein are the property of their respective owners.

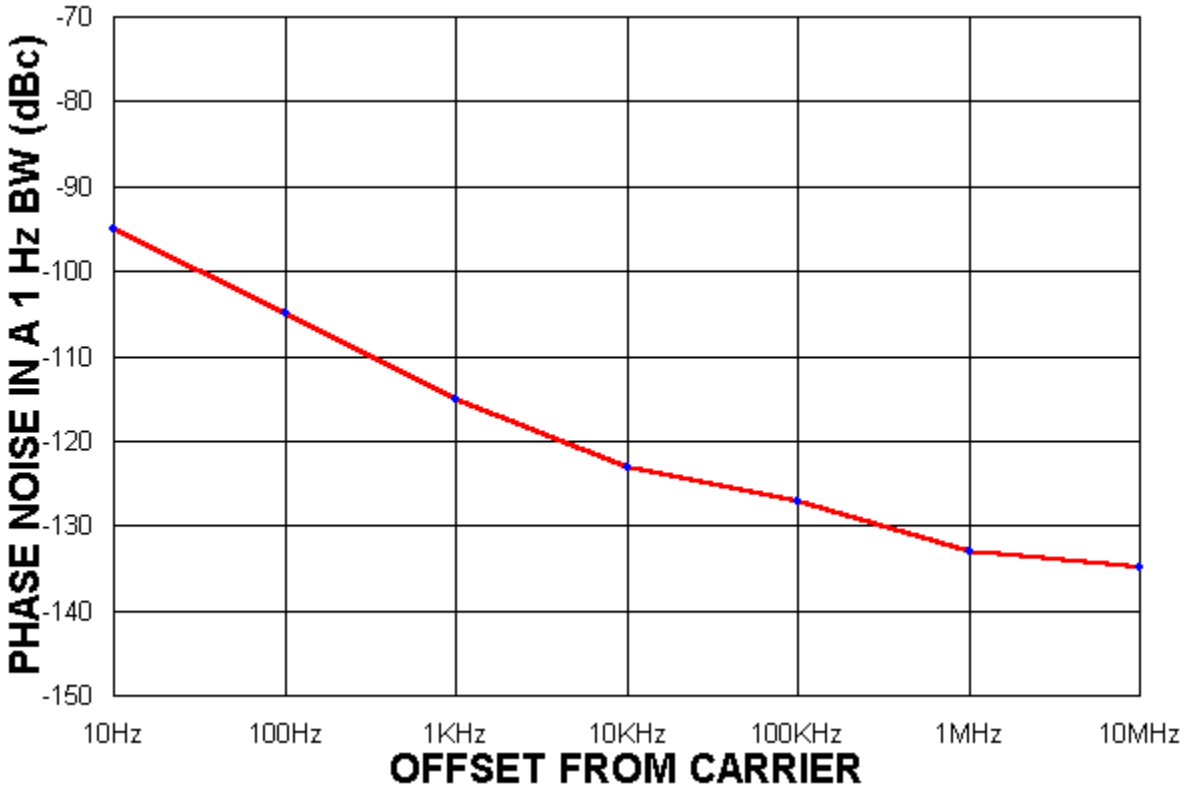
Find the *Programmed Test Sources PTS 160* at our website: *Click HERE*

PTS 160 Frequency Synthesizer

SPECIFICATIONS				
Frequency	Range:	0.100 000 0 MHz to 159.999 999 9 MHz		
	Resolution:	0.1 Hz to 100 KHz, optional in decades		
	Accuracy:	same as frequency standard		
	Control:	manual by 10-position dial;		
		remote by TTL-level parallel entry BCD or GPIB (optional)		
Switching Time		(to within 0.1 radian at new frequency)		
	100 MHz - 10 MHz digit:	20 µseconds		
	1 MHz - 0.1 Hz digit:	5 µseconds		
Output	Level:	+3 to +13 dbm (1V max, 50 Ω), metered in dBm and volts (rms)		
	Flatness:	±0.5 dB		
	Impedance:	50 Ω		
	Control:	manual by front panel control; remote by analog voltage		
Spurious		(at full power output, + 13 dBm)		
Outputs	Discrete:	-75 dBc		
	Harmonics:	-35 dBc at full output (-40 dBc at lower level)		
	Phase Noise:	-63 dBc (0.5 Hz to 15 KHz) including effects of internal standard		
	£ (1Hz):	100 Hz/ -105 dBc, 1 KHz/ -115 dBc, 10 KHz/-123 dBc, 100 KHz/ -127 dBc		
	Noise Floor:	-135 dBc/Hz		
Frequency	Internal:	OCXO	or	TCXO
Standard		$3x10^{-9}$/day		$1x10^{-8}$/day
		± $1x10^{-8}$/0-50° C		± $1x10^{-6}$/0-50° C
		$1x10^{-6}$/year		$2x10^{-6}$/year
	External Drive:	10 MHz, 0.4 Vrms into 300 Ω ; 5 MHz, 0.5 Vrms into 300 Ω		
	Aux. Output:	10.000 MHz, 0.4 Vrms into 50 Ω		
		(Note: internal or external standard required for operation)		
General	Operating Ambient:	0 - 55° C, 95% R.H.		
	Power:	105 - 125V, 50 - 400 Hz, 40W (100, 220, 240V optional)		
	Dimensions:	19 x 5.25 x 18 inches (relay rack or bench cabinet)		
	Weight:	35 lbs.		
For units equipped with a **DDS-TLU option**, specifications are modified as follows:				
DDS Option:		**H**		**K**
Phase-Continuous		100 KHz thru 0.1 Hz digits		10 KHz thru 0.1 Hz digits
Switching Range		(~1 MHz bandwidth)		(~100 KHz bandwidth)
Frequency Resolution:		0.1 Hz		0.1 Hz
Optional Phase Rotation:		0 - 360° in .36° steps		N/A

Artisan Technology Group - Quality Instrumentation ... Guaranteed | (888) 88-SOURCE | www.artisantg.com

Switching Time	(within phase-continuous range) < 1 µs transient, 2 µs delay	
Spurious Discrete:	-65 dBc	-75 dBc
Outputs Phase Noise:	-63 dBc	-63 dBc
Pricing (USA domestic)	$4,545 (100 KHz resolution) to $6,225 (0.1 Hz resolution) plus any other options.	



Artisan Technology Group is an independent supplier of quality pre-owned equipment

Gold-standard solutions

Extend the life of your critical industrial, commercial, and military systems with our superior service and support.

We buy equipment

Planning to upgrade your current equipment? Have surplus equipment taking up shelf space? We'll give it a new home.

Learn more!

Visit us at **artisantg.com** for more info on price quotes, drivers, technical specifications, manuals, and documentation.

Artisan Scientific Corporation dba Artisan Technology Group is not an affiliate, representative, or authorized distributor for any manufacturer listed herein.

We're here to make your life easier. How can we help you today?

(217) 352-9330 | sales@artisantg.com | artisantg.com

ARTISAN® TECHNOLOGY GROUP