

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

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Find the *Programmed Test Sources PTS 310* at our website: *Click HERE*

PTS 310 FREQUENCY SYNTHESIZER



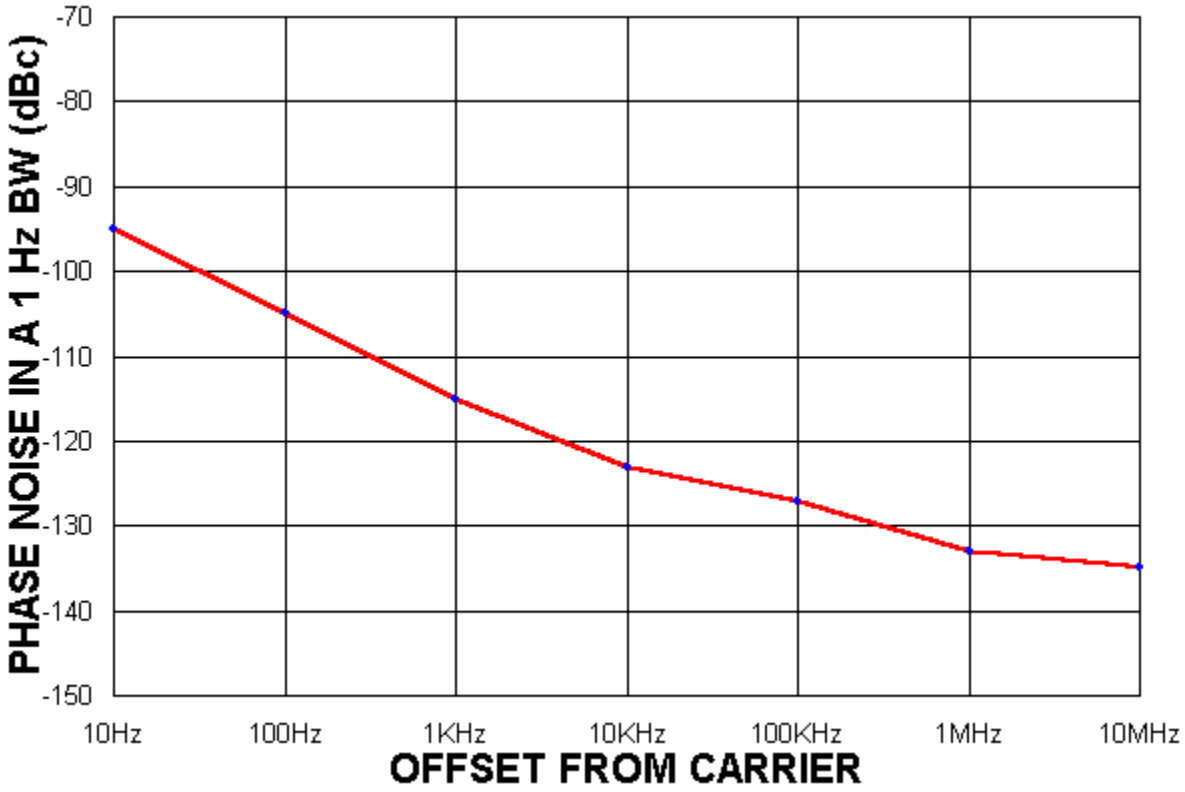
- 0.1 MHz to 310 MHz
- new standard in performance/price, with choice of spurious suppression
- DDS standard with phase-continuous switching
- flexible phase rotation options
- +3 to +13 dBm output
- 1 Hz resolution
- fully programmable BCD or GPIB, with remote-only versions available
- space-saving 3 1/2" cabinet

NOTE: PTS 310 shown for illustration in "M" and "V" cabinets.

SPECIFICATIONS

Frequency	Range: Resolution:	0.100 000 MHz to 309.999 999 MHz 1 Hz	
	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 digit:	5 µseconds	
	100 KHz - 1 Hz digit:	< 1 µsecond transient, 2 µsecond delay, phase-continuous	
Output	Level: Flatness:	+3 to +13 dBm (1V max, 50 Ω) ± 0.5 dB	
	Impedence:	50 Ω	
	Control:	manual by front panel control; remote by analog voltage	
Spurious		(at full power output, + 13 dBm)	
Outputs		**Type 1**	**Type 2**
	Discrete:	-65 dBc	-60 dBc
	Harmonics:	-30 dBc	-30 dBc
	Phase Noise:	-68 dBc	-63 dBc
		(0.5 Hz to 15 KHz) including the 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	
	Optional Phase Rotation:	0°, 90°, 180°, 270° in 90° steps	0-360° in .225° steps
Frequency Standard	Internal:	OCXO or $3x10^{-9}$/day	TCXO $1x10^{-8}$/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 50 Ω ; 5 MHz, 0.5 Vrms into 50 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 3.5 x 17.5 inches (relay rack or bench cabinet)	
	Weight:	20 lbs.	
Pricing (USA domestic)		$5,875 (Type 1) or $5,300 (Type 2) 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.

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

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