

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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TEAM SOLUTIONS, INC

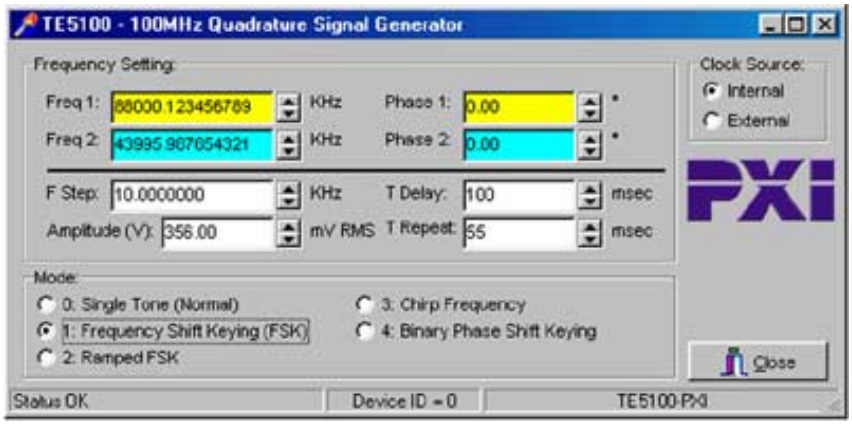
100MHz Quadrature Signal Generator

TE5100

- 10KHz to 100MHz
- 1µHz steps
- 1ppm accuracy and stability
- Sine and TTL outputs
- Multiple cards synchronization



The TE5100 is a 100MHz Direct Digital Synthesized Signal Generator in a 3U, CompactPCI format. The TE5100 generates Sine and ACMOS/TTL output signals simultaneously up to 100MHz in 1µHz steps. Sweep, FSK, Chirp and Single Tone are generated on board. The virtual panel allows control up to 100MHz of all parameters. The TE5100 is equipped with a ±1ppm on-board TCXO clock and can accept an external clock source.



T&M Instruments For The PC

SPECIFICATIONS

TEAM SOLUTIONS, INC

Established in 1999, TEAM's mission is to provide its customers with state-of- the-art, PC-Based, Test & Measurement instrumentation. TEAM's products are offered in ISA, PCI, External (Parallel/USB driven), Compact PCI and PXI configuration.

Outputs

Type	Sine and ACMOS/TTL simultaneously
Impedance	50Ω
Range	10KHz to 100MHz in 1µHz steps

Amplitude

Sine	App +7dBm (0.5V) into 50Ω load. Programmable from 0% to 99% of full scale (12 bit internal control)
TTL	VOL<0.5, VOH>2.5 into a series terminator 10pF load Tr,f<5nSec. Duty Factor 45% to 55%. 50Ω
Flatness	±3dB from 10KHz to 100MHz
Accuracy	<±1ppm at 10-40°C
Stability	±1ppm per year, 18-28°C

External Clock In

Level	0.1–2.5Vrms Sine or Square Wave. 50Ω
Frequency	5MHz to 75MHz.

Spectral Purity (Typ. 50Ω load, internal clock)

Phase noise	<-140dBc, 10KHz offset, 5MHz out
Spurious	<-70dBc below 10MHz (tpy. 200MHz span) <-65dBc below 40MHz <-50dBc below 100MHz
Harmonic	<-65dBc below 1MHz <-60dBc below 10MHz <-50dBc below 20MHz <-40dBc below 50MHz <-35dBc below 100MHz

Power

Requirements	4.75 to 5.25V @<1A and –5.25 to –4.75 @<100mA
Connectors	BNC

Our Product Line Includes:

- ***Up to 18 slots, Industrial PC & Compact PCI/PXI enclosures***
- ***Programmable Power Supplies***
- ***Switching, Scanning & Multiplexing (DC to 20GHz)***
- ***5.5 & 6.5 digit DMMs***
- ***100MHz Digital Storage Oscilloscope***
- ***100MHz Spectrum Analyzer***
- ***50 & 100 MS/Sec. Arbitrary Waveform Generator***
- ***10KHz to 100MHz Signal Source***
- ***200 MHz, 16 Channels, Logic Analyzer***
- ***50 MHz, Dynamic Digital I/O***
- ***Prototypes & many more..***

For additional information call us at:

949.348.7766

or visit us on line at:

www.team-solutions.com

27071 Cabot Road, Suite 124, CA 92653
Fax: 949.348.7776 • E-Mail: sales@team-solutions.com

T&M Instruments For The PC

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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