



## Artisan Technology Group is your source for quality new and certified-used/pre-owned equipment

- FAST SHIPPING AND DELIVERY
- TENS OF THOUSANDS OF IN-STOCK ITEMS
- EQUIPMENT DEMOS
- HUNDREDS OF MANUFACTURERS SUPPORTED
- LEASING/MONTHLY RENTALS
- ITAR CERTIFIED SECURE ASSET SOLUTIONS

### SERVICE CENTER REPAIRS

Experienced engineers and technicians on staff at our full-service, in-house repair center

### *InstraView*<sup>SM</sup> REMOTE INSPECTION

Remotely inspect equipment before purchasing with our interactive website at [www.instraview.com](http://www.instraview.com) ↗

### WE BUY USED EQUIPMENT

Sell your excess, underutilized, and idle used equipment. We also offer credit for buy-backs and trade-ins. [www.artisanng.com/WeBuyEquipment](http://www.artisanng.com/WeBuyEquipment) ↗

### LOOKING FOR MORE INFORMATION?

Visit us on the web at [www.artisanng.com](http://www.artisanng.com) ↗ for more information on price quotations, drivers, technical specifications, manuals, and documentation

**Contact us:** (888) 88-SOURCE | [sales@artisanng.com](mailto:sales@artisanng.com) | [www.artisanng.com](http://www.artisanng.com)



## M207 Precision Oscillator

The M207 is a precision oscillator source that provides a highly accurate and stable clock reference that can be used as a frequency or time reference. Using selectable switches, the output of the on-board ovenized oscillator can be output as is or be divided by any value from 2 to 16383. The resulting output can be directed to a front SMA connector and/or to either or both of the M-Module triggers. The output can be a 100ns pulse or a square wave.



### Specifications:

#### Ovenized Oscillator:

Nominal Frequency:	10MHz
Stability (Freq. vs. Temp)	±0.01ppm
Aging (Freq. vs. Time)	
1 <sup>st</sup> year	±0.1ppm
10 years	±1.0ppm
Cal. (Freq. vs. Control)	±1.0ppm
Warm Up (Freq. Ref. to 1 hr.)	
5 minutes	±0.1ppm
30 minutes	±0.01ppm

Front panel accessible calibration  
25-turn potentiometer provided for  
10 year adjustability.

#### Pulse Output: (front panel)

High, I <sub>OH</sub> = -24mA	3.76V min.
Low, I <sub>OL</sub> = 24mA	0.44V max.
Source/Sink	±50mA
Rise/Fall (0.8 to 2.0V)	1.5ns
Impedance (selectable)	3 or 50Ω

**Pulse Width:** 100ns\*

\* Pulse width is 50% of period when  
"Square Wave Output" or "No divide"  
output is selected.

#### Outputs:

- Front Panel
- M-Module Trig A
- M-Module Trig B

#### Switch Controls:

- Divide-by-N Value (3 to 16383)
- Clock Out Select
  - Square Wave Output (N ÷ 2)
  - Divide-By-2
  - No divide (10MHz output)
  - Divide-By-N
- M-Trigger A/B Output Enable
- Front Panel Output Enable
- Front Panel Output Impedance

**Front Panel Connector:** SMA

#### Temperature:

Operating:	0°C to 50°C
Storage:	-40°C to 70°C

#### Power:

+5V (during warm-up)	500mA
+5V (after warm-up)	250mA

### M Module Compliance

Complies with ANSI/VITA Std. 12-1996 for single-wide M-Modules; however, the module does require or support data transfers.

Compatible with VXI, VME, PCI, cPCI and other M Module carriers.

### Applications

- Frequency or Time Reference
- M-Module Triggering
- Synchronization of data acquisition hardware

### Ordering Information

**Part Number** 11028610-0001

### Additional Information

User Manuals for C&H carriers and this module can be found on our website at [www.chtech.com](http://www.chtech.com).



## Artisan Technology Group is your source for quality new and certified-used/pre-owned equipment

- FAST SHIPPING AND DELIVERY
- TENS OF THOUSANDS OF IN-STOCK ITEMS
- EQUIPMENT DEMOS
- HUNDREDS OF MANUFACTURERS SUPPORTED
- LEASING/MONTHLY RENTALS
- ITAR CERTIFIED SECURE ASSET SOLUTIONS

### SERVICE CENTER REPAIRS

Experienced engineers and technicians on staff at our full-service, in-house repair center

### *InstraView*<sup>SM</sup> REMOTE INSPECTION

Remotely inspect equipment before purchasing with our interactive website at [www.instraview.com](http://www.instraview.com) ↗

### WE BUY USED EQUIPMENT

Sell your excess, underutilized, and idle used equipment. We also offer credit for buy-backs and trade-ins. [www.artisanng.com/WeBuyEquipment](http://www.artisanng.com/WeBuyEquipment) ↗

### LOOKING FOR MORE INFORMATION?

Visit us on the web at [www.artisanng.com](http://www.artisanng.com) ↗ for more information on price quotations, drivers, technical specifications, manuals, and documentation

**Contact us:** (888) 88-SOURCE | [sales@artisanng.com](mailto:sales@artisanng.com) | [www.artisanng.com](http://www.artisanng.com)