

PXIT PX2000-305

## Laser Source / Measure Module



**In Stock**

**Used and in Excellent Condition**

**Open Web Page**

<https://www.artisanng.com/86222-1>

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



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

**Artisan Technology Group**

(217) 352-9330 | [sales@artisanng.com](mailto:sales@artisanng.com) | [artisanng.com](http://artisanng.com)

- Critical and expedited services
- In stock / Ready-to-ship

- We buy your excess, underutilized, and idle equipment
- Full-service, independent repair center

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



## Laser Source / Measure Module



**Model Number: PX2000-305**

### General:

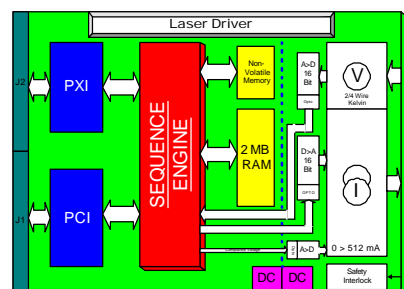
The PX2000-305 is a high performance programmable constant current source and voltage measurement unit compatible with the PXI format. A compliance voltage can be programmed to prevent voltage excursions outside programmed limits. It includes PXIT's patented 'Sequence Engine' technology and on board memory thus allowing it to independently synchronise and communicate with other modules in PXIT's Photonic range. The PX2000-305 can be used In conjunction with other PXIT photonics modules such as the PX2000-306 Dual Optical Power Meter for the test and characterisation of tuneable laser diodes.

### Features

- Integrate on a master slave basis with other 305's or other PXIT Photonics Cards.
- High Speed Real Time Sequence Engine— >5000 current steps per Second.
- Fully floating output allowing 'star ground' connections for multiple units.
- 2MB on board memory for data storage and sequence instructions.
- Voltage measurement with 'Kelvin' connection.
- 16-bit stimulus and measure.
- Compliance voltage programmable from 0 to 8V.
- Small footprint / PXI Modular Architecture.
- Calibration data stored in on-board NV Ram.

### Typical Applications:

- Laser Diode Test (LIV) of DFB's and VCSEL's
- Tuneable Laser Test using multiple cards
- Light Emitting Diodes
- Signal Diode DC Test

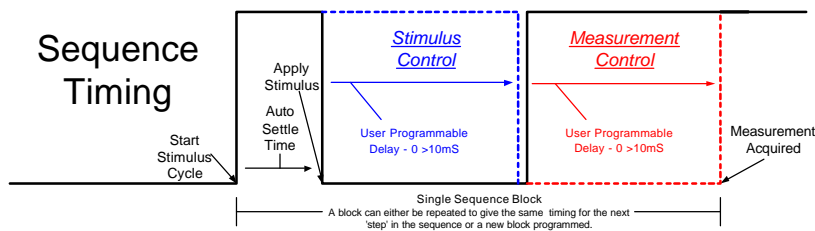


## Software for Windows 98, ME, NT & 2000

**PX Panel** Panel Suite allows real time control of all OPM functions for "bench-top instrument" use.

**Drivers** Drivers are available for VISA®, LabVIEW® and LabWindows/CVI®. Additional support is provided for TestStand®, Visual Basic®, C and C++ through documented DLL's and example programs.

**PXInstall** Our install wizard gets you up and running in minutes !



<b>Specification</b>	
Parameter	Constant Current Source
Current Range	250 / 500mA (PX2000 -305), 20/ 100mA (PX2000 -305L)
Accuracy	±0.05%
Basic Resolution	16 bits : 4uA / 8uA (PX2000 -305), 0.4uA / 1.6uA (PX2000 -305L)
Compliance Voltage	0 - 8V
Compliance Voltage Accuracy	±0.1% ±40mV
Output Slew Rate	20mA/μs ( $\Delta < 100\text{mA}$ )
Front panel safety interlock	2 contacts must be closed for output to be on. Multiple interlocks can be connected in parallel.
<b>DC Voltage Measurement</b>	
Voltage Range	0 - ±10V
Accuracy	0.1% ±2mV
<b>General</b>	
Stimuli & Measurements Rate	>5000 per Second
Connector Interface	4mm sockets for current out. 9 pin 'D -type' for all other
Form Factor	3U PXI – single slot width
Trigger	Local Bus and Trigger Bus + front panel access
Front Panel Indication	Single LED – 'Green' indicates all 'OK' 'Red' indicates 'over current' or 'over voltage' condition.
<b>Sequence Engine Specifications</b>	
Master Clock	20MHz
Min Step	25uS
Max Step	10mS
Max Memory Blocks	100,000 Each new block describes a change in the basic sequence timing
Max steps in a single sequence / burst	500,000
Memory	2 Mbyte

## Ordering Information

**PX2000-305**

**Source Measure Module 250/500mA**

**PX2000-305L**

**Source Measure Module 20/100mA**



### Technology Centre

PX Instrument Technology Ltd  
Unit 32 Beechwood Close,  
Boghall road, Bray,  
County Wicklow, Ireland  
Tel : (353) 1-2864221  
Fax : (353) 1-2864223

### U.S Branch Office

PX Instrument Technology  
1807 Elmhurst Drive,  
Arlington, TX 76012  
Tel: +1 817-226 PXIT  
Toll Free 866-878 3289  
Fax: +1 817-461 2311

### European Branch Office

PX Instrument Technology  
Olgastr. 11,  
D-73033 Göppingen, Germany  
Tel: +49 7161 659210  
Fax: +49 7161 659211

# **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 [artisanng.com](https://www.artisanng.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@artisanng.com](mailto:sales@artisanng.com) | [artisanng.com](https://www.artisanng.com)

