

ARTISAN®
TECHNOLOGY GROUP

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Custom engineering
so your equipment works exactly as you specify.

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- In stock / Ready-to-ship
- Leasing / Rentals / Demos
- ITAR-certified secure asset solutions

Expert team | Trust guarantee | 100% satisfaction

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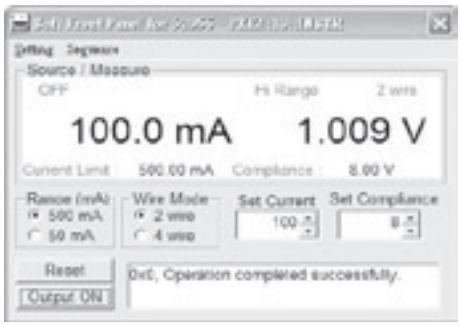
PXI Systems Alliance

The 52956 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 patented Sequence Engine technology and on board memory thus allowing it to independently synchronise and communicate with other modules in Chroma's Photonic range.

The 52956 can be used in conjunction with other Chroma photonics modules such as the 52961 Dual NANO-AMP Meter for the test and characterisation of tuneable laser diodes or higher brightness LED diodes.

ORDERING INFORMATION

52956 : Current Source Measure Module

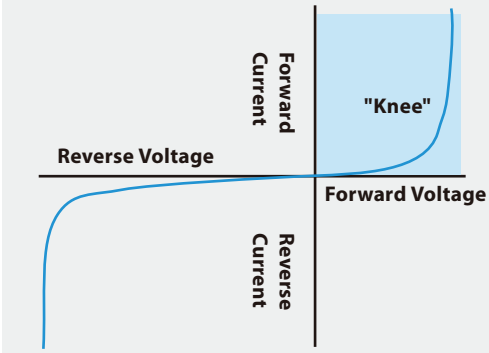


KEY FEATURES

- Integrated on a master slave basis with other 52956's or other Chroma Photonics Cards
- Fully floating output allowing star ground connections for multiple units
- Voltage measurement with Kelvin connection
- 15-bit stimulus and measure
- Compliance voltage programmable from 0 to 8V
- PXI Modular Architecture
- Calibration data stored in on-board NV Ram

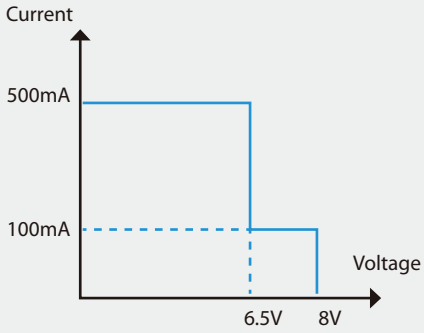
Softwrae for Windows 2000 & XP

- **Soft Front Panel**
  Soft Front Panel allows control of switch functions for "bench-top instrument" use.
- **Drivers**
  Drivers based on NI-VISA®, Visual C++, Visual Basic®, LabVIEW®, LabWindows/CVI® drivers are supported
- **Install Wizard**
  Our install wizard gets you up and running in minutes!



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



SPECIFICATIONS	
Model	**52956**
Constant Current Source	
Current Range	50/500mA
Accuracy	±0.1%±10μA(Range:50mA), ±0.1%±100μA(Range:500mA)
Basic Resolution	15 bits : 1.6 μA (Range : 50mA) 15 bits : 16 μA (Range : 500mA)
Compliance Voltage	0 ~ 8V
Compliance Voltage Accuracy	±5% ±500mV
Minimal pulse width	t_r=1.8ms, t_w=20ms, t_f=1.8ms Test Condition: Range = 50mA, Output Current = 5mA Compliance Voltage = 3V Temperature at 25°C
Power Dissipation	15W
Cooling	At least 15 CFM air flow is required.
Thermal Drift	2μA/°C (Range : 50mA) 25 μA/°C (Range : 500mA)
Front panel safety interlock	2 contacts must be closed for output to be on. Multiple interlocks can be connected in parallel.
Mechanical Life	1 x 10^8 MIN.Operation
DC Voltage Measurement	
Voltage Range	0 ~ ±10 V
Accuracy	±0.1% ±5mV

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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.

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

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