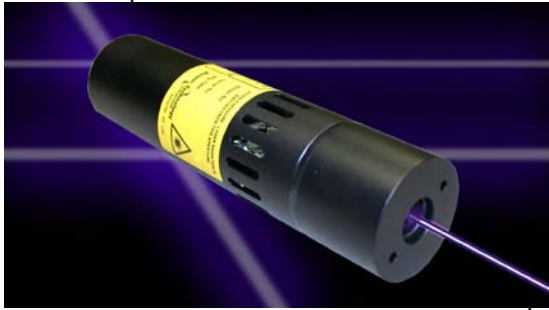


IQ μ Series

**Microprocessor
Controlled**

**Numerous Wavelengths
Available!**



Features

- On board local control
- Monitoring software
- Multiple wavelengths
- USB or RS-232 interface
- Analog or TTL Modulation

Benefits

- Reliability of the IQ platform
- Controllability
- Stability
- Precise Measuring

Applications

- Flow Cytometry
- Fluorescence
- Bioanalysis
- Spectroscopy

The newest in our line of Instrument Quality (IQ) laser modules is the most controllable and stable module yet. This microprocessor controlled module offers precise control over crucial operating parameters by two methods: an on-board, menu driven, local control or a Windows compatible control and monitoring software via USB (Universal Serial Bus) or an RS-232 interface. The module is available with multiple wavelengths ranging from

375nm to 1600nm inside the same module package. With output powers of <1mW to 1W and ambient operating temperatures of 0 to 40° C, the module performs extremely well in numerous applications. Some of the applications that can benefit from the reliability, controllability and stability of the IQ μ include flow cytometry, laser-induced fluorescence, bioanalysis, interferometry, raman spectroscopy, interferometry, high resolution printing, and microscopy.

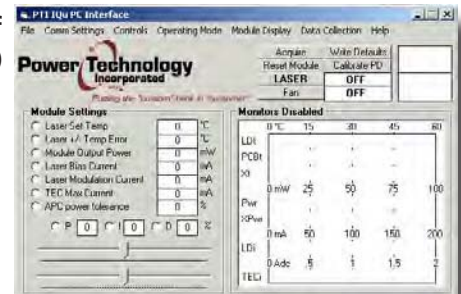
Product Specifications

	IQ μ 1C	IQ μ 1H	IQ μ 1A
Wavelength (nm)	375-1600	375-1600	375-1600
Output Power (mW)	0.1 - 1000	0.1 - 1000	0.1 - 1000
Operating Voltage (VDC)	5 - 15*	5 - 15*	5 - 15*
Max. operating current (mA)	3000	3000	3000
Mod. current above bias (mA)	10 - 1200**	10 - 500**	10 - 1200**
Temperature stability (°C)	0.02	0.02	0.02
Temperature range (°C)	5 - 40	5 - 40	5 - 40
Modulation Specs			
Modulation	CW	.2 VDC	5 VDC
Max. Modulation rate	CW	150 MHz	1 or 5 VDC
Propagation delay	-	12ns	23ns
Rise/fall times (ns)	-	3ns	6ns
Input impedance	-	50 ohms	50 or 500 ohms
Dimensions \varnothing x L, in. (mm)	1.5 x 6.05	1.5 x 6.05	1.5 x 6.05
Photo diode config. compatibility	9mm, 5.6mm	9mm, 5.6mm	9mm, 5.6mm
Diode compatibility	M-, N-, P-type	M-, N-, P-type	M-, N-, P-type
Recommended options	G26, MB6	G26, MB6	G26, L, T, MB6

* Optimum IQ μ performance is achieved from most laser diodes when operated from 5 VDC. Please note, however, that our 375nm, 405nm, 440nm, and 473nm lasers require minimum of 6VDC.

** Not all currents can be achieved at all frequencies. When higher current is achieved, frequency may be lower. When lower current is achieved, frequency may be higher.

Sample screen shot of Graphic User Interface. (GUI)



Putting the "custom" back in "customer"

P.O. Box 191117, Little Rock, AR 72219-1117 USA (501)407-0712 Fax: (501)407-0036

<http://www.powertechonology.com> • email: sales@powertechonology.com