LT-2215-PC Automated Tunable Converter



LOTIS TII LT-2215-PC laser provides automated tuning controlled by a personal computer.

The communication with a computer is carried out by means of USB 2.0 (USB 1.1 compatible) data interface. The control software is designed for Microsoft® Windows 98/ Me/Windows NT°/2000/XP.

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	J				539,0
	SW=539,0(l'	W=1037,!	5)		
		Set			Shutter

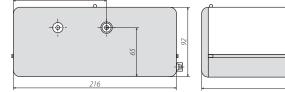
Window of LT-2215-PC control software.

Parameter		Value
Tuning range Δλ, nm		420-2300
Typical linewidth δλ, nm	≤0.15*	
Beam divergence, mrad	4-8**	
Phasematching		Type II
Pump radiation conversion efficiency	at SW+IW	≤30***
at maximum of tuning curve (at 10 Hz), 9	6 at SW	≤20***
Pulse duration (FWHM), ns		1–2 ns shorter than pump pulse duration**
Pulse repetion rate, Hz		≤50
Polarization at SW and IW		SW — Linear horizontal, IW — Linear vertical
Port		USB 2.0
Size L x W x H, mm (Weight, kg)	Tunable laser Control unit	410 x 216 x 92 (8.5) 256 x 257 x 111 (3.5)

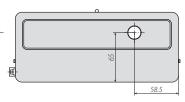
Pump Laser

Wavelength, nm	355
Pulse duration, ns	10–20
Pulse energy, mJ	60-150
Repetition rate, Hz	≤50
Beam diameter, mm	≤8
Beam shape	uniform without hot spots
Poalrization	vertical

- * at the 500 nm, depending on pump laser
- ** determined by the pump pulse duration and generated $\boldsymbol{\lambda}$
- *** typically for pump energy >70 mJ







For more information about LOTIS TII and its products visit www.lotis-tii.com

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