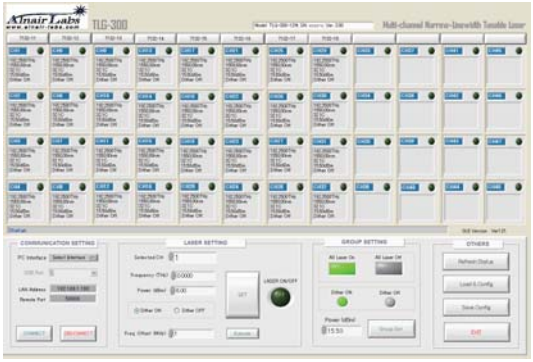
Multi-Channel Narrow-Linewidth Tunable Laser

TLG-310

- Slot configuration allows future channel expansion
- Mainframes can be cascaded to accomodate over 160ch
- Firmware memorizes “last setting” for hassle-free start-up

1550nm | Narrow Line-Width | Slot Configuration | Max. 48ch | Remote



Specification

Mainframe		unit
Slot capacity	12	units
Max. laser module capacity	48	channels
PC interface	USB, GPIB, Ethernet	
Laser safety	Front panel key-lock, software based interlock	
Power supply	AC 100-240 (50 / 60 Hz)	V
Power consumption	< 650	W
Dimension (W x H x D)	448 x 177 x 540	mm
Weight	< 16	kg

Laser unit		unit
Output power range	+7 to +15.5	dBm
Optical power accuracy	+/-1	dB
Wavelength range[1]	1528.90 to 1567.21	nm
Frequency range[1]	191.29 to 196.09	THz
Channel spacing	Continuous	
Frequency fine tune resolution	1	MHz
Frequency fine tune range	+/-6	GHz
Frequency accuracy	+/-2.5	GHz
Linewidth (FWHM), instantaneous	< 100	kHz
Side mode suppression ratio (SMSR)	> 40	dB
RIN	-145	dB/Hz
Polarization extinction ratio (PER)	> 18	dB
Warm-up time	30	s
Optical fiber	PMF	
Optical connector	FC or SC, SPC or APC	

1. Please inquire for L-band laser.
The above specifications may change without prior notice.

Ordering Information

Mainframe

TLG - 310M - 12

Laser Unit

TLG - 310 - S - □□□□ - □□

ch1 ch2 ch3 ch4

Wavelength	Connector Type	
C : C-band	FS : FC/SPC	SS : SC/SPC
L : L-band	FA : FC/APC	SA : SC/APC
N : N/A		