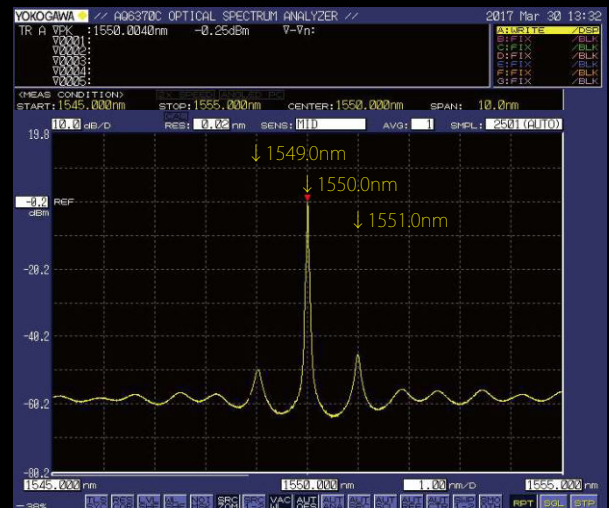


RLS-7 Series

Seven different wavelengths and outputs available for calibration

8 5 0.0nm	SLD Light Source
1 3 0 0.0nm	DFB-LD Light Source
1 3 1 0.0nm	DFB-LD Light Source
1 4 9 0.0nm	DFB-LD Light Source
1 5 5 0.0nm	DFB-LD Light Source
1 6 2 5.0nm	DFB-LD Light Source
1 6 5 0.0nm	DFB-LD Light Source

Extra one open slot can accommodate one more module, and it makes up Max 8-module configuration. You can choose any wavelengths from the followings, or you can specify other wavelengths you plan to use.



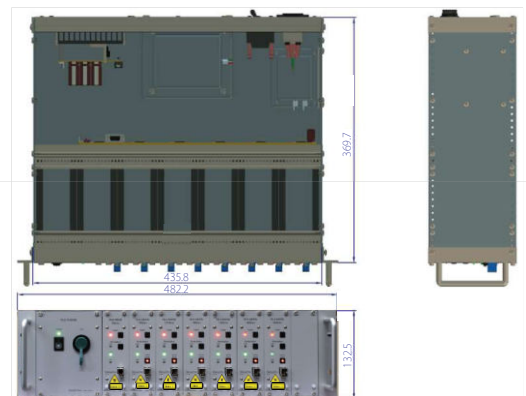
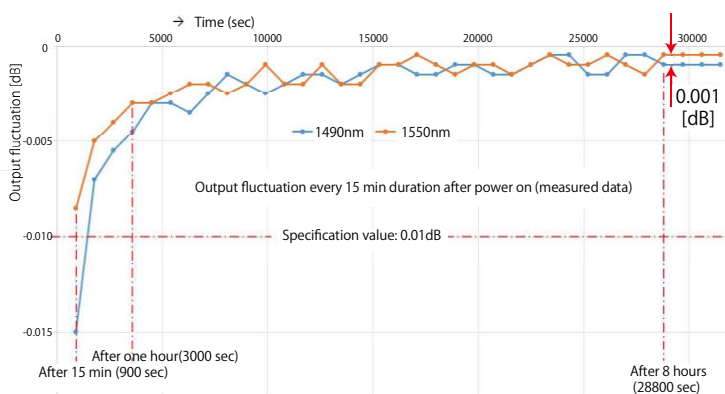
1550nm_SPAN-10nm, Coherent-Control : Off

Switching coherence control to "on / off"

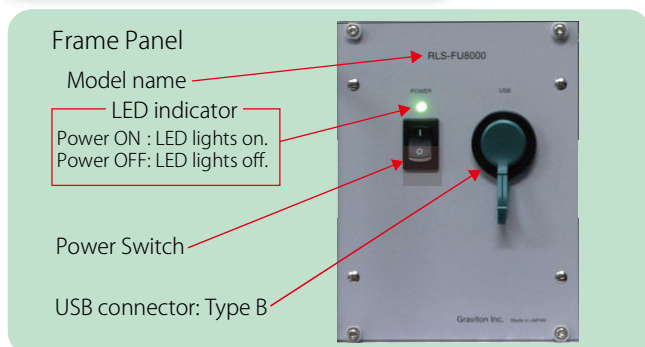
7 different wavelengths & outputs available for calibration



Optical Output Stability: ± 0.01 dB or less per 15 minutes interval (ATC, APC operation)



Switch and LED Panel on the frame



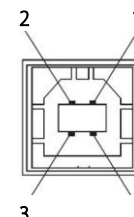
USB interface functions

- Laser output ON / OFF
- Coherence-control ON / OFF
- Modulation ON / OFF and Switching modulation frequency
- Acquisition of Error indication data
- Laser output drop
- Controlling high and low temperature anomalies of Laser

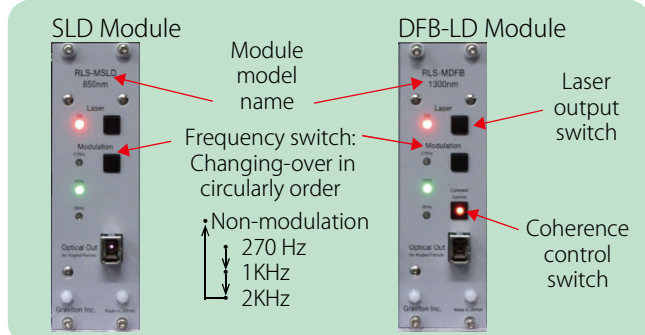
Connecting with USB interface

Do not plug or unplug USB cable for 20sec to 30sec until operation is ready after turning on, to avoid from causing any damage on the device.

Pin No.	Signal
1: VBUS	+ 5V
2: D -	- Data
3: D +	+ Data
4: GND	Ground



- Make sure to insert the USB cable all the way seated in the USB connector.



Specifications

Frame

Model name : RLS-FU8000

Number of slots	8 slots : 7 for modules and 1 as an open slot (Standard configuration)
Number of USB port	One
Connector	USB Type B
Electrical/Mechanical spec	Compliant to USB Rev 1.1
Transfer speed	12Mbps Max
Protocol	RS232 or UART
System requirements	Windows 7 (32/64bits) (Preparing for the support of Windows 8.1 or later, Win 10 Contact us for the update.)
Operating environment	Ambient temperature: 5°C~40°C Ambient humidity: 20~80%RH (no condensation) Altitude: 2000m or below
Recommended interval for calibration	One year including modules
Rated power supply voltage	100VAC
Rated power frequency	50Hz/60Hz
Maximum consumption power	300VA(including 7 modules) 27VA(steady state)
Outer dimensions (Excluding protrusions and handles) Mass	436mm(W) × 132.5mm(H) × 370mm(D) [TBD] kg(excluding modules)
Cable requirements	USB connector (Type B) USB shielded cable of 3m or less

SLD and DFB-LD modules

Model name: RLS -MSLD0850I	Center wavelength / optical output SLD module 850nm±10nm / 3dBm or greater
Optical output stability	±0.01dB or less for 15min
Laser safety class	Class 1 M
Model name: RLS-MDFB1300N RLS-MDFB1310N RLS-MDFB1490N RLS-MDFB1550N RLS-MDFB1625N RLS-MDFB1650N	Center wavelength / optical output DFB-LD module 1300±1nm / 3dBm or greater DFB-LD module 1310±1nm / 3dBm or greater DFB-LD module 1490±1nm / 3dBm or greater DFB-LD module 1550±1nm / 3dBm or greater DFB-LD module 1625±1nm / 3dBm or greater DFB-LD module 1650±1nm / 3dBm or greater
Optical output stability	±0.01dB or less for 15 min (for all DFB-LD modules above)
Laser safety class	Class 1 for all DFB-LD modules above (IEC60825-1:2014)
Characteristics common to SLD and all DFB-LD modules above	Ambient temperature: 23 ± 1°C (Constant) All modules output CW Laser Connected fiber output point (SC/Angled, 2m, SMF) ATC, APC
Optical fiber	SM(ITU-T G.652)
Modulation frequency	270Hz, 1kHz, 2kHz
Compatible optical connector	SC/Angled PC
Operating environment	Same as in Frame controller

~ One hour warm-up time required for every specification ~

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