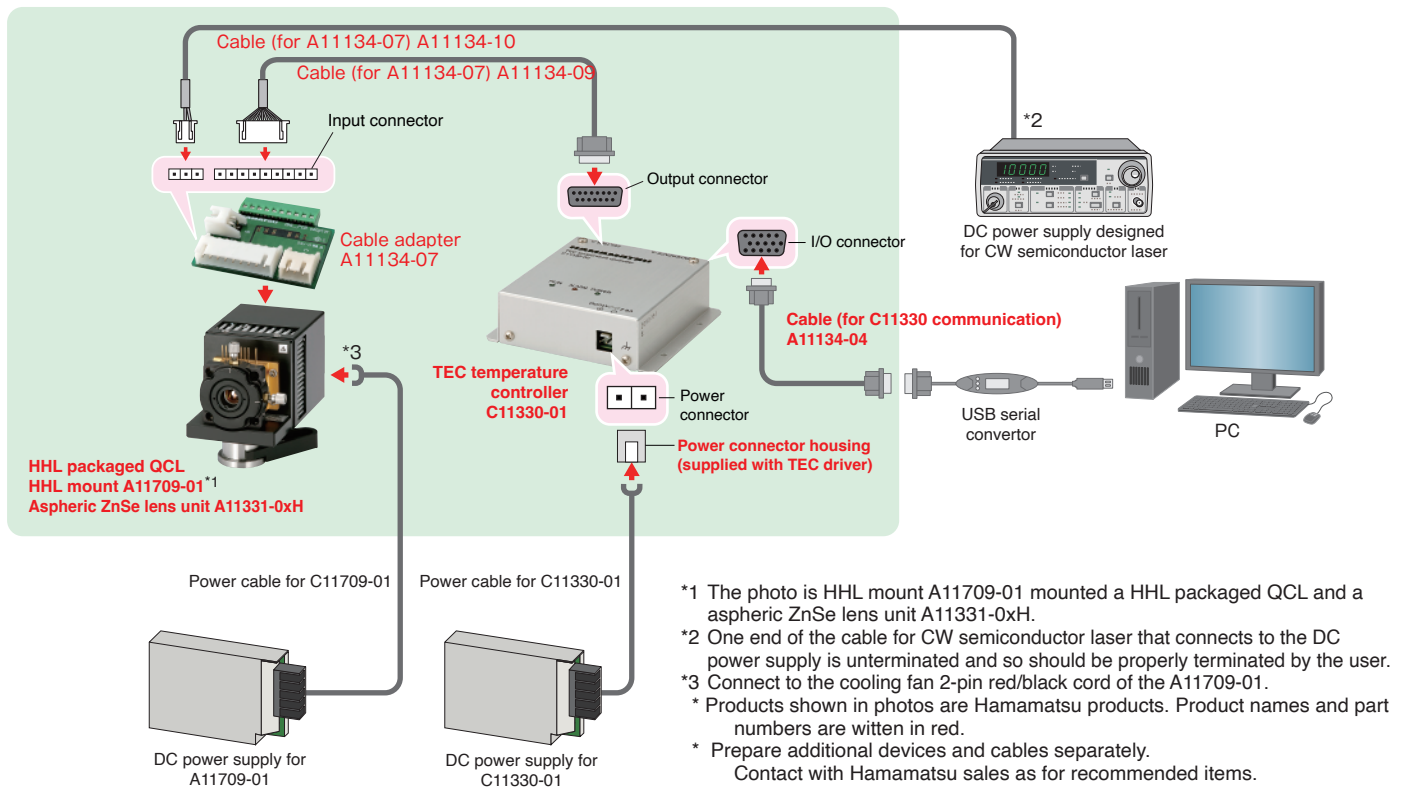


Quantum Cascade Laser (QCL)

Connection example of Quantum cascade laser(QCL)

■ Connection example of DFB-CW QCL

...Our products



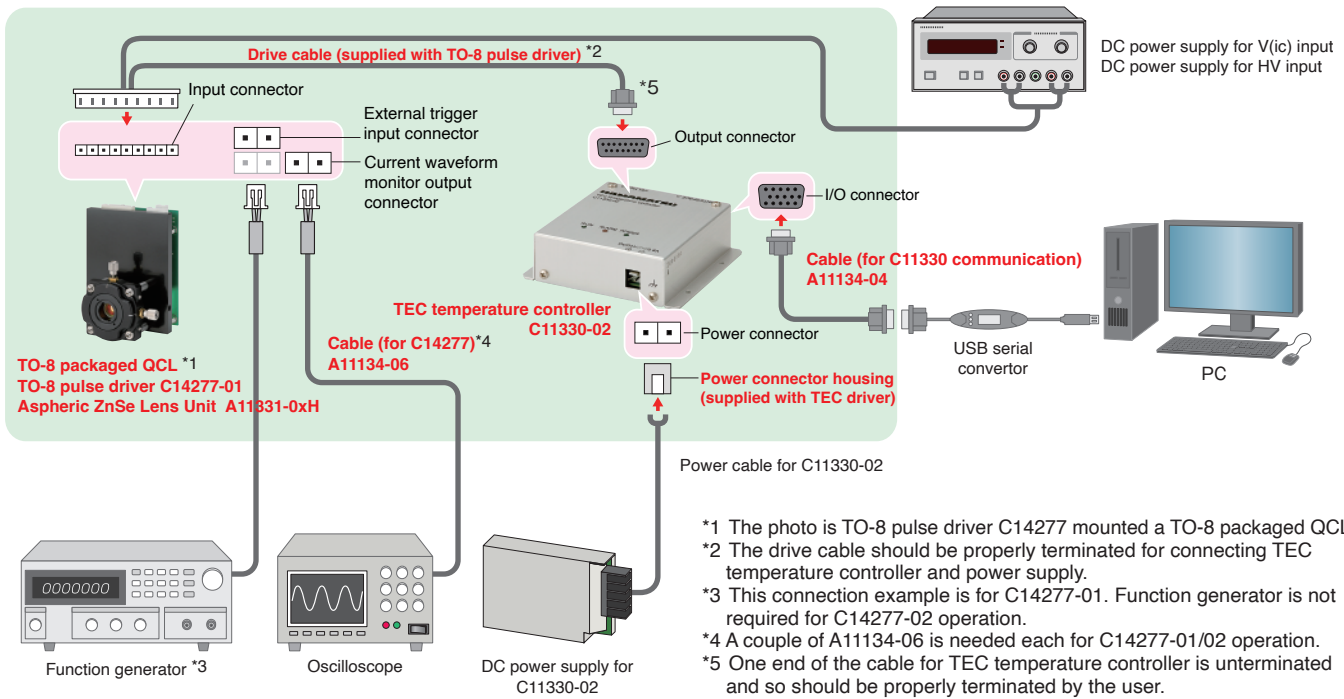
■ Recommended instruments

Instruments	Manufacture	Type. No
DC power supply for CW semiconductor laser	Wavelength Electronics Inc.	QCL1500 OEM(+)*1
DC power supply for C11330-01	TDK-Lambda Corporation	HWS100A-24/A
Power cable for C11330-01	Shielded and twisted pair cable: Multi-Conductor 2 (1pair twisted) Ampacity>4.0 A, 150 V	—
DC power supply for A11709-01	General-purpose DC power supply, 12 V/0.47 A	—
USB serial converter	RATOC Systems, Inc.	REX-USB60F

*1 Designed to be built into equipment

■ Connection example of DFB-Pulsed QCL

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- *1 The photo is TO-8 pulse driver C14277 mounted a TO-8 packaged QCL.
- *2 The drive cable should be properly terminated for connecting TEC temperature controller and power supply.
- *3 This connection example is for C14277-01. Function generator is not required for C14277-02 operation.
- *4 A couple of A11334-06 is needed each for C14277-01/02 operation.
- *5 One end of the cable for TEC temperature controller is unterminated and so should be properly terminated by the user.
- * Products shown in photos are Hamamatsu products. Product names and part numbers are written in red.
- * Prepare other necessary devices and cables.

■ Recommended instruments

Instruments	Manufacture	Type. No
DC power supply for V(ic) input	Keysight Technologies Inc.	E3620A
DC power supply for HV input		—
Dry cable	Shielded and twisted pair cable: Multi-Conductor 8(4 pair twisted), Ampacity>2.2 A, 150 V	—
Coaxial cable	Coaxial cable (50 Ω) SMB-BNC	—
DC power supply for C11330-02	TDK-Lambda Corporation	HWS50A-24/A
Power cable for C11330-02	Shielded and twisted pair cable: Multi-Conductor 2(1 pair twisted), Ampacity>4.0 A, 150 V	—
USB serial converter	RATOC Systems, Inc.	REX-USB60F
Oscilloscope	Oscilloscope with over 300 MHz bandwidth	—

● Information described in this material current as of October 2023. Specifications are subject to change without notice.

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