

OPTIONS

Option List (cont.)	
<p>DFB QC Laser QC-01 & QC-02</p> <p>The DFB QC laser is a single mode mid-infrared Quantum Cascade laser capable of operating at room temperature in pulsed mode. Both "stock" and custom "non stock" devices can be ordered but prices will depend on wavelength and quantity.</p>	
<p>ZnSe Collimating Optics CO - xx</p> <p>The anti-reflection coated ZnSe collimating optics provide a low aberration collimated output beam with less than 4.5 mm beam diameter. Its novel broadband design makes it suitable for use at any wavelength without any loss in performance, whilst a precision variable front focus adjust enables beam divergence to be tailored to experimental setups. Available wavelengths:</p> <p>CO-01: between 5 and 12 μm CO-02: between 4 and 8 μm CO-03: between 2 and 6 μm</p>	
<p>Forced Air Heatsink AH - 01</p> <p>The forced air heatsink has better than 0.4 $^{\circ}\text{C}$ per Watt thermal resistance allowing laser temperatures below -30 $^{\circ}\text{C}$ to be reached with peltier cooling. This heatsink option allows the user to place the laser module anywhere in an experimental setup without any of the restrictions brought about by either water cooled or thermal mass heatsinking.</p>	
<p>Water Cooled Heatsink WH - 01</p> <p>The water cooled heatsink has been designed to enable the user to extract maximum performance from the peltier cooling. Simple attachment to a main fed water supply will enable laser temperatures below -45 $^{\circ}\text{C}$ to be reached.</p>	
<p>Ge Etalon GE - 02</p> <p>With a free spectral range of 0.048 cm^{-1}, the Ge Etalon proves itself to be a useful tool for spectroscopic and other applications by enabling the user to fully characterise the wavelength chirp brought about by pulsing the laser. It can be mounted into a standard 1 inch optical mount for easy incorporation into experimental set ups.</p>	
<p>Optical Table Mounting Kit MK - 01</p> <p>Suitable for both metric and imperial optical tables this mounting kit allows the user to mount the laser module onto an optical table at a variety of standard optical heights.</p>	