

Beam Chopper (Optional Upgrade): The beam chopper is an optional feature which allows the system to be used on materials with poor heat conductivity, such as plastics, CFRP and , carbon fiber materials without damaging the surface. A perforated disk synchronized with the generation laser “chops” the beam at a regular interval in order to prevent the sample from being exposed to continuous laser power. This feature does not affect the quality of the signal as it allows the laser to be used at full power, in contrast to alternative solutions such as using continuous but low laser power systems. Once installed, the chopper can be turned on and off to suit the application. This upgrade is compatible with new generation Quartets and is easily installed by replacing the top cover of the system.



Minimum Frequency	20Hz - for 1-slot wheel 80Hz – for 4-slot wheel
Maximum Frequency	100Hz - for 1-slot wheel 400Hz – for 4-slot wheel
Extinction ratio (average power reduction)	1/100 for 1-slot wheel (frequency independent) 1/25 for 4-slot wheel (frequency independent)
Measurement window	>50µS for 1-slot wheel @ 100Hz (or 4-slot wheel @ 400Hz)
Installation	Easy installation by simply replacing the QUARTET standard cover with the Integrated Chopper cover
Compatibility	Model: QUARTET V.4