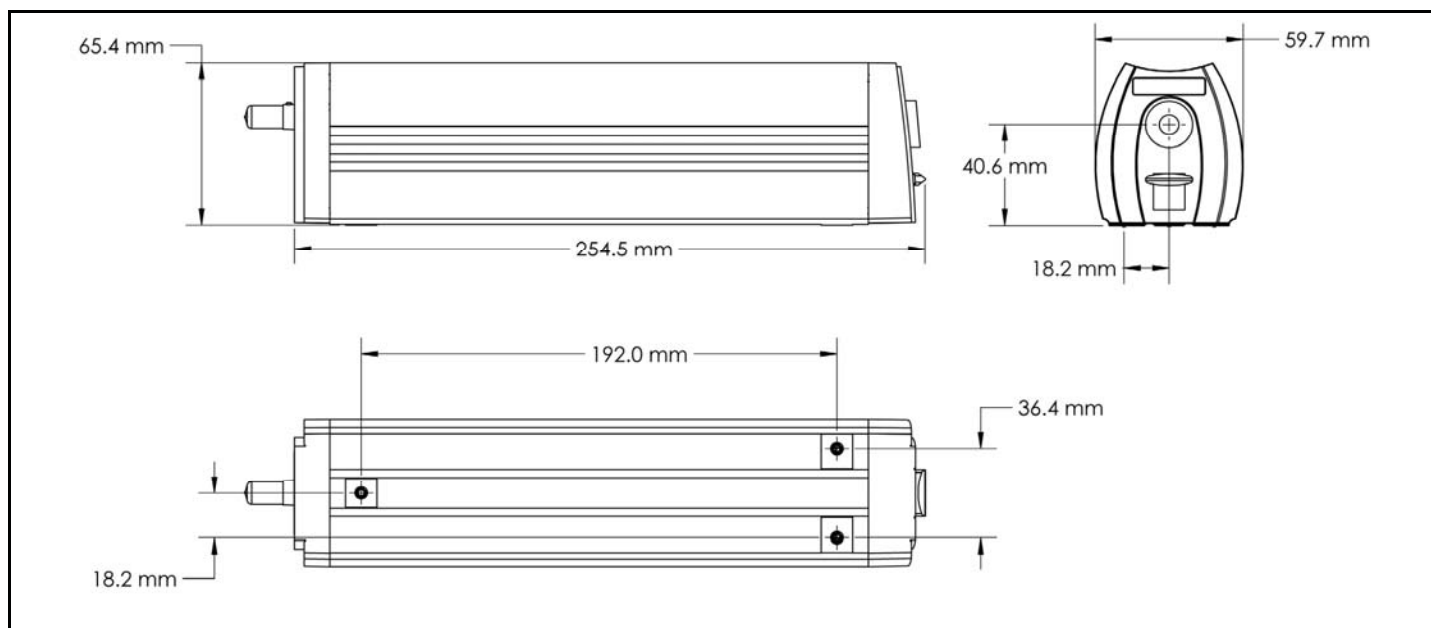


ZMI 7705 Laser Head

P/N's	POWER	COMBABILITY	LASER CHARACTERISTICS CONTINUED	
8070-0902-11	>250 μW	ZMI 510	Time from turn-on to laser light	<30 sec typical
8070-0902-12	>350 μW		Time to wavelength stability	≤15 minutes
8070-0902-13	>250 μW	ZMI 501/501A	Frequency Difference	3.6 MHz ± 0.3 MHz
8070-0902-14	>350 μW		Nominal Vacuum Wavelength	632.992 nm
PHYSICAL CHARACTERISTICS			Vacuum Wavelength Lifetime Accuracy	±0.2 ppm
Dimensions	See Figure		Vacuum Wavelength Stability	0.01 ppm/1 hr 0.02 ppm/24 hrs
Weight	1.0 Kg		DHHS Laser Safety Classification	Class II, conforms to NCDRH regulations
Materials	Aluminum, ABS		ENVIRONMENTAL	
Nominal Cable Clearance	102 mm		Operating Temperature	10 to 30°C
ELECTRICAL			Non-operating Temperature	-40 to 75°C
Power Requirements (max)	+15 VDC ± 0.5 V @ 0.6 A		Operating Humidity	0 to 90%, noncondensing
Power Dissipation (max)	7 W during operation 9 W during warm-up		Non-operating Humidity	0 to 90%, noncondensing
LASER CHARACTERISTICS			Shock (non-operational)	11 msec 40g shock on each of three orthogonal axes
Type	Helium-Neon, CW, heterodyne, linearly polarized			
Output Power	See P/N section			
Beam Diameter (1/e²):	4.1 ± 0.3 mm			
Beam Pointing Stability	0.2 mrad			



Distribution in the UK & Ireland



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