

APPENDIX A

WAVELENGTHS OF LASERS

Table A-1. Principal Wavelengths of Representative Common Lasers

CIE band	Wavelength (nm)	Medium	Typical operation
UV-A	325	Helium-cadmium	CW
UV-A	327	Nitrogen	Pulse-train
UV-A	350	Argon	CW
Visible light	441.6	Helium-cadmium	CW
Visible light	458,488,514.5	Argon	CW
Visible light	568,647	Krypton	CW
Visible light	530	Nd frequency-doubled	Pulsed
Visible light	511-578	Copper vapor	Pulse-train
Visible light	632.8	Helium-neon	CW
Visible light	694.3	Ruby	Pulsed
Visible light	560-640	Rhodamine 6G dye	CW/pulsed
IR-A	700-800	Alexandrite	Pulse-train
IR-A	850	GaAlAs	Pulse-train
IR-A	905	Gallium-arsenide	Pulse-train
IR-A	1060	Neodymium:glass	Pulsed
IR-A	1064	Neodymium:YAG	Pulsed
IR-A	2900	Hydrogen fluoride	Pulsed
IR-A	3900	Deuterium Fluoride	Pulsed
IR-C	5,000	Carbon monoxide	CW
IR-C	10,600	Carbon monoxide	CW



Type	Device	Wavelength (nm)	Band
Helium-neon	M55 Tank Gunnery Trainer	642.8	Visible (Red)
Ruby	Range finder	694.3	Visible (Red)
Gallium-arsenide	MILES	905.0	Near-infrared
Neodymium:YAG	Range finder and Target Designator	1064.0	Near-infrared
Carbon dioxide	Range finder	10,600.0	Far-infrared