



Laser Head

Nominal output wavelength	633 nm
Frequency stability (10s averaging time)	3 × 10 ⁻¹²
Repeatability (2σ variance)	2.5 × 10 ⁻¹¹
Method of stabilization	Third harmonic method
Locking Modulation Frequency	6.6 kHz sine wave
Frequency Width of Locking Modulation	6 ± 0.3 MHz
Accessible 127I2 hyperfine components	d,e,f, g of the 11-5 R(127) absorption (h,i,j on request)
Output power	45 – 70 μW, typ. 60 μW (up to 110 μW on request)
Polarization	Linear, vertical
Continuous frequency lock over 24 hours for ambient temperature 20 °C ± 1°C	Yes
Tuning	Automatic & Manual
Dimensions	460 × 180 × 155 mm

Power Supply

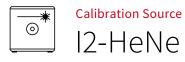
AC line voltage	220-240 V / 50 Hz (others on request)
Dimensions	350 × 250 × 110 mm

Options

Optical Isolator (i)	The system can be equipped with an optical faraday isolator to minimize
	optical feedback and increase the stability of the laser system

The iodine stabilised laser calibration source is certified by comparison to an optical frequency comb in full compliance with the International Committee of Weights and Measure (CIPM 97) "Mise en pratique" recommendation for the realization of the meter. The certification process is performed by The Central Office of Measures (GUM), Poland.







Recommended Wavelength Meter

WS8-10, WS8-10 UV-I, WS8-10 IR-I	
WS7-60 IR-I	
Older models:	
WSU2	
WSU10, WSU10 UV-I, WSU10 IR-I	
WSU30, WSU30 UV-I, WSU30 IR-I	

Further Information

For further technical information, application examples, diagrams and for customisation of calibration sources please contact:

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