



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 μ W, typ. 60 μ W (up to 110 μ W on request)
Polarization	Linear, vertical
Continuous frequency lock over 24 hours for ambient temperature $20\text{ }^{\circ}\text{C} \pm 1^{\circ}\text{C}$	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
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Calibration Source

I2-HeNe



HighFinesse
Laser and Electronic Systems

Recommended Wavelength Meter

WS8-2

WS8-10, WS8-10 UV-I, WS8-10 IR-I

WS7-30, WS7-30 UV-I, WS7-30 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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