

basiScan

Compact Optical Parametric Oscillator



Compact, rugged, general purpose BBO-OPO with manual tuning

Features and Benefits

Simple and reliable design

Adaptable to most commercial Nd:YAG pump lasers

Easy tuning with micrometer screw

Motor/PC control optional

Minimum number of optical components

Ideal for education and basic applications requiring variable wavelength

basiScan Specifications

120/HE	280/HE	
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120 mJ	280 mJ	
42 mJ	95 mJ	
59 mJ	138 mJ	
10-500 cm-1		
0-3 ns < pump		
)-30 Hz	0-10 Hz ¹	
410-2500 nm		
4-10	mrad	
5.5 mm	<8 mm	
,)	42 mJ 59 mJ 10-500 P 1-30 Hz 4-10	

(1) Up to 30 Hz allowed, if pump powers do not exceed 3.5 W

(2) Depends on pump pulse width and wavelength

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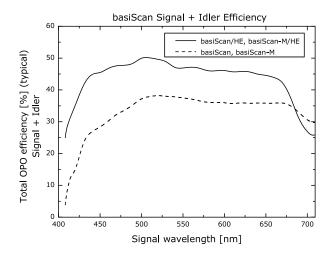
The basiScan OPO is designed to work with most pulsed Nd:YAG lasers operating at 3rd harmonic (355nm). basiScan has been destilled to the basic components. The result is a simple and rugged OPO with wavelength control by a micrometer screw or an optional motorizer. Ideal for education and applications standard.

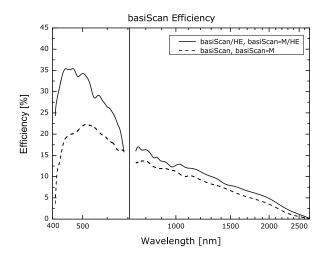
The basic BBO-OPO!

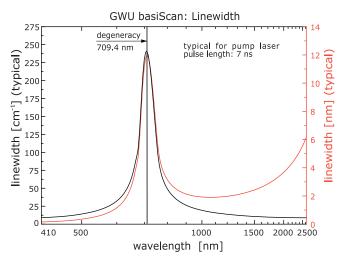
Notes:

All specifications depend on pump laser specifications and performance. Please contact factory or your sales representative for details.
All specifications subject to change without notice.

basiScan Performance

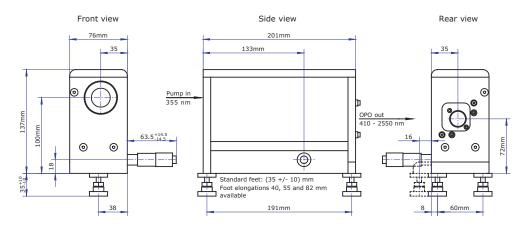






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basiScan Dimensions and Properties



Mechanical + Utilities

Size (OPO body only) Length 201 mm Width 76 mm Height 137 mm

Weight 5 kg

For dimensions with feet, micrometer screw, and other protruding elements please refer to dimensional drawing; motor will exceed length of micrometer screw.

VISIBLE AND/OR INVISIBLE*
LASER RADIATION
AVOID EYE OR SIMI EXPOSIBLE TO DIRECT OR
SCATTERED RADIATION
CLSS 4 LASER RODUCT
POWER, WAVELENGTH(S) AND PULSE WIDTH
DEPEND ON PUMP OFTIONS
AND LASER CONFIGURATION
ENGOZS-1:1994

07/2012





