Beam Analyzer High Power

- Built-in air-cooled sampler
- Industry's leading knife-edge system
- Unique tomographic image reconstruction
- Beam measurements down to 3 microns and up to 9 mm
- Accurately measures profile, position and power.

Sensor Specifications

Sensor type	Silicone (Si)
Beam width resolution	1 µm
Beam width accuracy	±2%
Power accuracy	±7.5%
Power resolution	50 µW
Position accuracy	±15 µm
Position resolution	1 µm
Measurement rate	5 Hz
PC interface	USB 2.0

Specifications

Laser type	CW
Beam Size range	⌀15 µm - ⌀9 mm
Spectral region	350 - 1100 nm
Power range @900/1070 nm	1 W - 5 kW
Maximum power density	100,000 W/cm^2
Sensor focal position	Optical distance from input surface to sensor active surface is 44.7 ± 0.2 mm
Output power from back side of beam sampler	90% of input power
Dimensions	137 x 105 x 40 mm
Number of blades	7 (based on BA7 head)
Cooling conditions	Pressurized air of 6 - 8 Bar
Environment operating temperature	0 - 35 C
Weight	Sensor head 800 gr with cable, manifold box 350 gr

Ordering Information

BA7-Si-USB-SAM3-HP-B: 7-blades, Si detector 9mm square with high power attenuator and mounting adapter.

DUMA OPTRONICS LTD.

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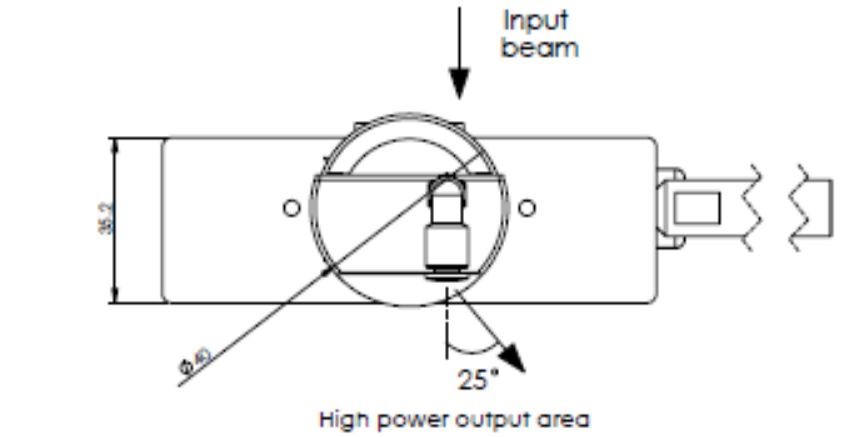
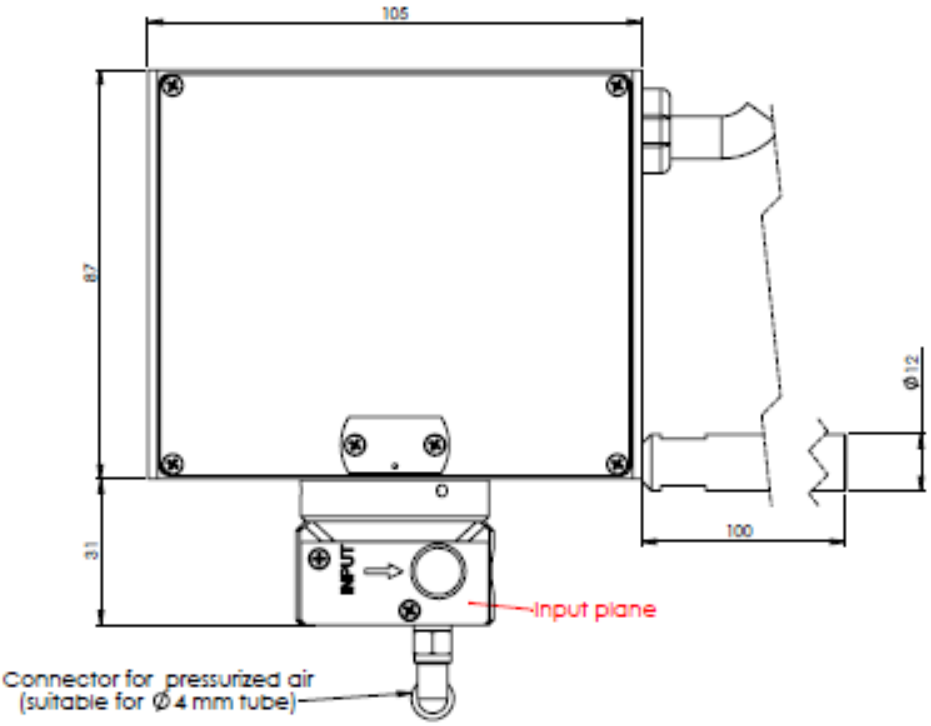


High power output area



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