

# AOM-100-1

## Acousto-Optical-Modulator Unit



### Technical Specifications:

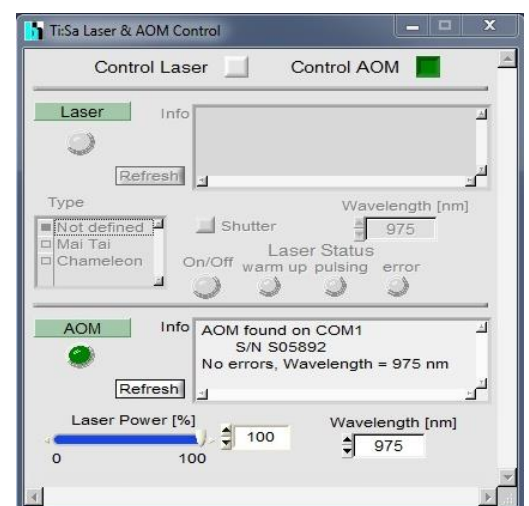
<b>Material of modulator:</b>	Fused Silica
<b>Adjustable for wavelength:</b>	680 ... 1190 nm (RF-range 60MHz – 105MHz)
<b>Case aperture:</b>	6,0 mm
<b>Active aperture:</b>	1,5 mm
<b>Max. opt. powerdensity:</b>	500 MW/cm <sup>2</sup>
<b>Polarisation:</b>	linear, horizontal
<b>Max. diffraction efficiency:</b>	60% @ 800 nm (5W) 45% @ 1000nm
<b>Risetime:</b>	115 ns/mm Beam
<b>Modulationinput:</b>	digital
<b>Control of output power:</b>	RS232/USB interface, controlled from SPCM software
<b>Control of wavenlength/RF-frequency:</b>	RS232/USB interface, controlled from SPCM software

**Power supply:** 95 ... 240 VAC



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Space-requirements:

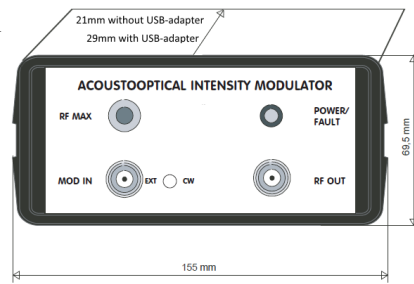


Figure 1 AOM-controller box

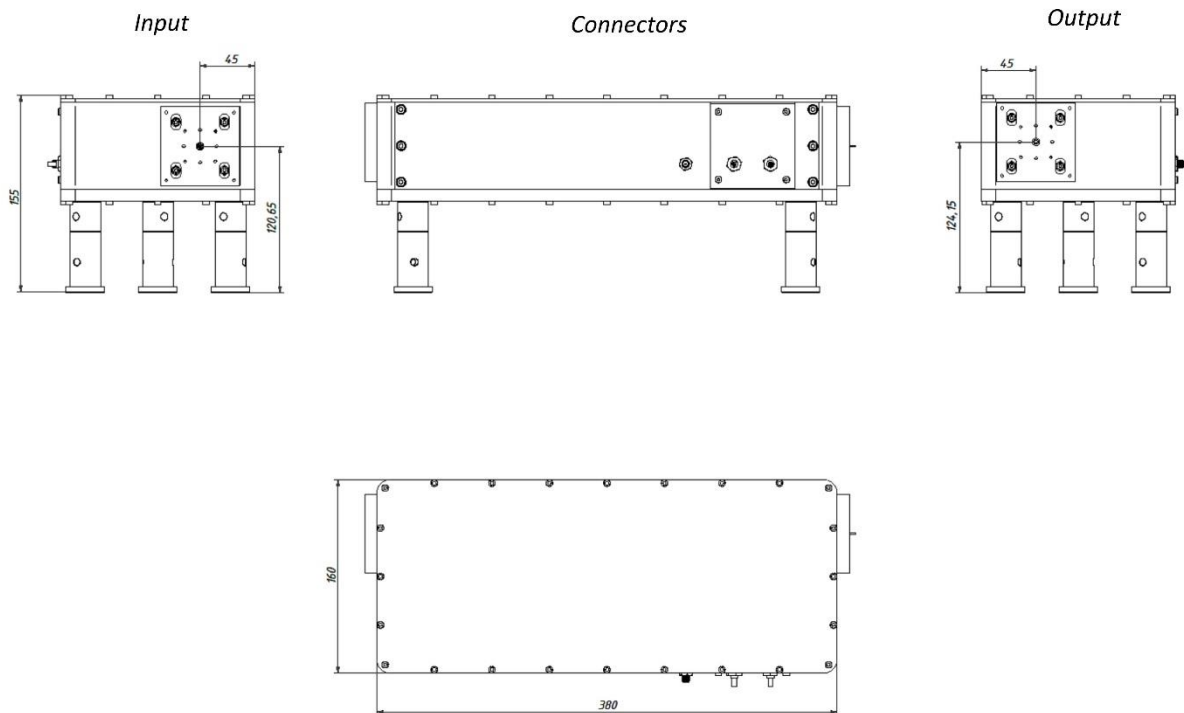


Figure 2 AOM-unit views



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