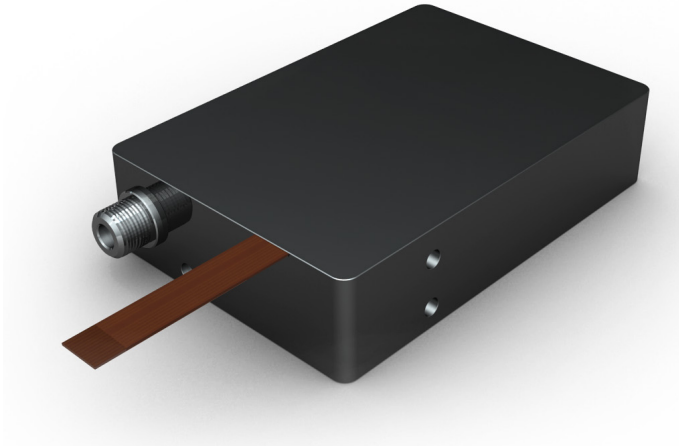


MiniBench

MINIATURE OPTICAL SPECTROMETER BENCH FOR OEM INTEGRATION



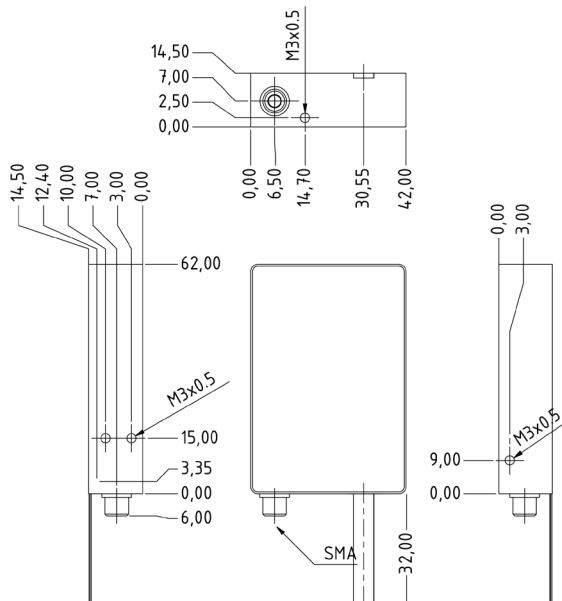
The MiniBench is the smallest high resolution optical spectrometer bench on the market. It delivers technical specifications that are unprecedented at this size. The miniaturized design enables tight integration in applications where space is limited. Designed for OEM integration and high volume production, the MiniBench is available in different standard configurations and can be adapted to customer's specifications.

The MiniBench features the best price/performance ratio on the market for professional optical spectrometer benches. Our dedicated engineering and production teams include highly qualified experts from all relevant fields working closely with our OEM partners in order to provide outstanding photonic solutions.

Key Features

- Smallest high resolution spectrometer on the market
- Customizable for specific applications
- Exceptional temperature stability
- Low stray light
- Best price/performance ratio for high-volume applications

Mechanical Drawing



Specifications

	Specifications
Focal length	50 mm
Grating	300 or 600 lines/mm
Entrance slit	available from 20 to 400 μm
Wavelength range	customizable between 195 nm and 1100 nm
Spectral resolution	0.2 to 30 nm (depending on configuration)
Dynamic range	500 : 1
Numerical aperture	0.1
Stray light	< 0.1 %
Exposure time range	100 μs to 600 s
Detector	2500 pixel linear CCD detector
Optical interface	SMA connector
Dimensions	62.0 mm \times 42.0 mm \times 14.8 mm
Weight	49.5 g
Operating temperature	-15 $^{\circ}\text{C}$ to 60 $^{\circ}\text{C}$ (non-condensing)
Storage temperature	-25 $^{\circ}\text{C}$ to 70 $^{\circ}\text{C}$

Options

- Customized electronics
- Customized optical fibers and probe
- Light sources including lasers, LEDs and tungsten lamps
- CMOS image sensor
- Custom optical connectors
- Detector collection lens
- Application-specific optical filters

RGB Photonics GmbH
 Donaupark 13
 93309 Kelheim
 Germany

Tel.: +49 9441 17 50 33 - 0
 Fax: +49 9441 17 50 33 - 92
 sales@rgb-photonics.com
 www.rgb-photonics.com

1/2016 - Rev. 1.4

WaveBench

OPTICAL SPECTROMETER BENCH
FOR OEM INTEGRATION



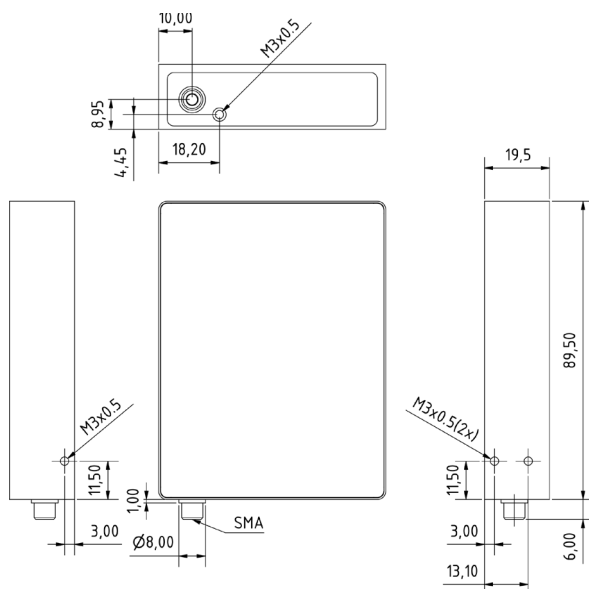
The WaveBench is a compact high resolution optical spectrometer bench. It delivers technical specifications that are unprecedented at this size. The miniaturized design enables tight integration in applications where space is limited. Designed for OEM integration and high volume production, the WaveBench is available in different standard configurations and can be adapted to customer's specifications.

The WaveBench features the best price/performance ratio on the market for professional optical spectrometer benches. Our dedicated engineering and production teams include highly qualified experts from all relevant fields working closely with our OEM partners in order to provide outstanding photonic solutions.

Key Features

- High resolution spectrometer
- Customizable for specific applications
- Low stray light design
- Exceptional temperature stability
- Best price/performance ratio for high-volume applications

Mechanical Drawing



Specifications

	Specifications
Focal length	75 mm
Grating	600, 830, 1200, 1800 or 2400 lines/mm
Entrance slit	available from 20 to 400 μm
Wavelength range	customizable between 195 nm and 1100 nm
Spectral resolution	0.1 to 15 nm (depending on configuration)
Dynamic range	2000 : 1
Numerical aperture	0.1
Stray light	< 0.1 %
Exposure time range	100 μs to 600 s
Detector	3648 pixel linear CCD detector
Optical interface	SMA connector
Dimensions	89.5 mm \times 68.0 mm \times 19.5 mm
Weight	145 g
Operating temperature	-15 $^{\circ}\text{C}$ to 60 $^{\circ}\text{C}$ (non-condensing)
Storage temperature	-25 $^{\circ}\text{C}$ to 70 $^{\circ}\text{C}$

Options

- Customized electronics
- Customized optical fibers and probe
- Light sources including lasers, LEDs and tungsten lamps
- Custom optical connectors
- Detector collection lens
- Application-specific optical filters

RGB Photonics GmbH
Donaupark 13
93309 Kelheim
Germany

Tel.: +49 9441 17 50 33 - 0
Fax: +49 9441 17 50 33 - 92
sales@rgb-photonics.com
www.rgb-photonics.com

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