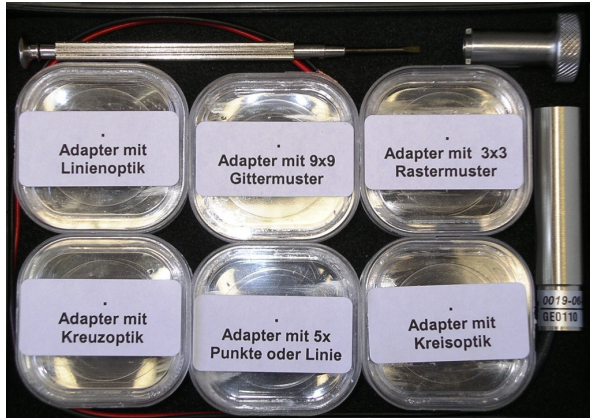


# Micro Optic Set 1, 2 and 3



## Characteristics:

- 1 Laser module , 635nm, with adjustable power
- 6 Optic-Adaptors:
  - 1 *Line optic*
  - 1 *Grit 9x9 Lines*
  - 1 *Dot matrix 3x3 dots*
  - 1 *Crosshair*
  - 1 *5x Dot generator*
  - 1 *Circle*
- 1 Focussing key
- 1 Screwdriver to adjust the laser power

## Short description

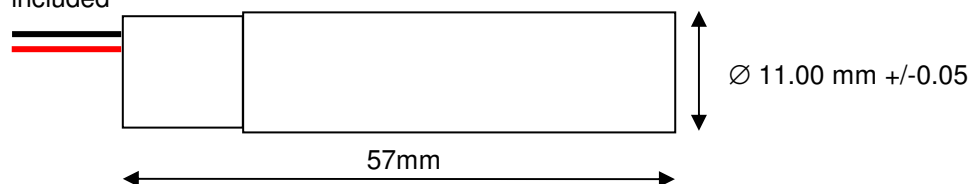
The micro optic laser set is especially designed for the use in laboratories and educational institutions. The focus and optical power output of the laser can be easily adjusted to ideally match the working distance. The micro optic inserts are easy to exchange to select the ideal pattern for the machine vision requirement without having to purchase a complete module for each try.

## Technical data

Laser module	Set 1	Set2	Set3	Unit
Wavelength	635			nm
Output power adjustment range	<1 - ca. 25	<1 – 7.5	<1 – 3.5	mW
Laser class	3B	3B	3R	mW
Potential on housing	Plus			-
Micro optic adaptor fan angles				
Line optic (Gaussian power distribution)	70			°
*Grit (9 x 9 Lines)	40			°
*Dot matrix (3 x 3 dots)	45			°
*Crosshair	40			°
5x Dots	45			°
*Circle	21			°
*It is unavoidable that all micro optic patterns have a dot in the centre.				

## Electrical connections and Dimensions

Operating voltage: 4 to 6V<sub>DC</sub> (use regulated 5V supply)  
 Consumption: (subject to output power) 40 to ca.100mA  
 Polarity protection: included  
 plus = red cable  
 minus = black cable



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