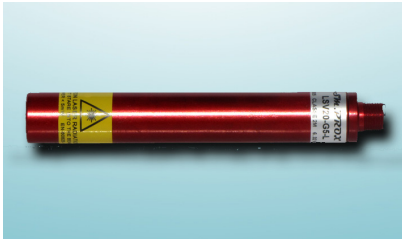


LASER POINTER LSV20 SERIES - RED LIGHT - ø20 - 20mW

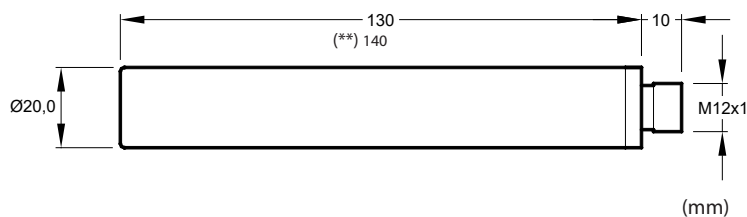


Laser pointer made of a high quality red laser diode, available with 635 nm wavelength and a power of 20mW. This laser pointer can generate a point, a line or a cross. On request different lengths of line.

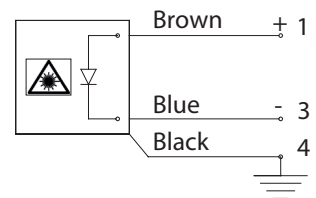
Thanks to the anodized aluminium housing and the protection glass, it is suitable for harsh applications or ambient with water.

On request 12...48Vdc / 6...24Vac power supply.













The Powell lens allows a constant line performance.



Connection M12x1 connector



Accessories page 52

| Type | LSV20-R20-P | LSV20-R20-X (**) | LSV20-R20-L | LSV20-R20-PL90 |
|--|---|---|---|---|
| Art. no. | SM314015 | SM314016 | SM312002 | SM319036 |
| Mounted lens | point | cross Plastics Diffractive Lens | line Glass Rod Lens | line Powell Lens |
| Line length at 1 m distance | - | - | 4.000-6.000 mm | 6.000-8.000 mm |
| Line thickness | - | - | - | ~ 2-3 mm |
| Linearity error | - | - | - | 1 mm every 1.000 mm |
| Point diameter at 1 m distance | Ø 5,0 mm ~ | - | - | - |
| Dimension cross a 1 m distance | - | 150x150 mm | - | - |
| Power supply | 6...24 Vdc / 6...12 Vac | | | |
| Power | 20 mW | | | |
| Wavelength | 635 nm | | | |
| Beam divergence | 0,5 mrad | - | - | - |
| Life time at 20°C | ≥ 20.000 h | | | |
| Permitted temperature | -10°...+50°C | | | |
| Focus adjustment | yes, by screwdriver | yes, by screwdriver | no | no |
| Current consumption | < 50 mA | | | |
| Reverse polarity and overvoltage protections | yes | | | |
| Housing material | anodized aluminum | | | |
| Connection | connector M12x1 | | | |
| Degree of protection | IP40 | IP67 | IP67 | IP67 |
| Safety protection class |    |    (*) |    |    |
| (*) Without ring for cross lens, the safety protection becomes 3B | | | | |
| For the classification of the laser systems: only in perfect conditions and supplied with DC power supply, the system can be specified in the safety class, according to the new regulations in force since 12/15. | | | | |
| READ THE INSTRUCTIONS CAREFULLY BEFORE ASSEMBLING | | | | |
| Laser according to the standard EN 60825-1: 2015-12 | | | | |
| In case of disturbances or electrostatic charges connect Pin4 to the machine ground. See SM515001 at page 53. | | | | |