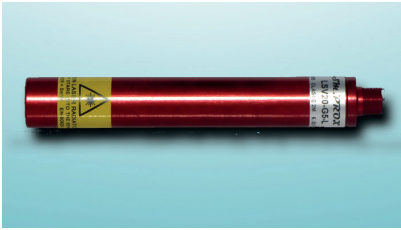


LASER POINTER LSV20 SERIES - GREEN LIGHT - ø20 - 10mW



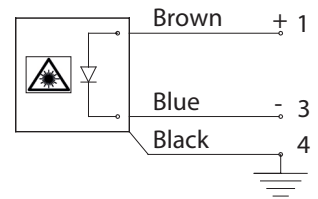
Laser pointer made of a high quality green laser diode, available with 520 nm wavelength and a power of 10mW. This laser pointer can generate a point, a line or a cross. On request different line length.

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

The new 520nm diode allows for a wider temperature range (-10 ... + 50 ° C) and greater stability.



Connection M12x1 connector



Accessories page 39

(mm)

Type	LSV20-G10-520-P	LSV20-G10-520-X	LSV20-G10-520-X15	LSV20-G10-520-L
Art. no.	SM319011	SM320005	SM320004	SM319033
Dimensions (a)	130 mm	140 mm	140 mm	130 mm
Mounted lens	point	cross Plastic Diffractive Lens		line Glass Rod Lens 90°
Point diameter at 1 m distance	~ Ø 3,0-4,0 mm	-	-	-
Cross dimensions at 1 m distance	-	~ 150x150 mm	~ 250x250 mm	-
Line length at 1 m distance	-	-	-	~ 2000 mm
Line thickness	-	-	-	~ 2 mm
Power supply	6...24 Vdc / 6...12 Vac			
Power	10 mW			
Wavelength	520 nm			
Beam divergence	< 1.5 mrad	-	-	-
Life time	≥ 10.000 h (at +20°C)			
Permitted temperature	-10°...+50°C			
Focus adjustment	yes			no (focused at 1 m distance)
Current consumption	< 50 mA			
Reverse polarity and overvoltage protections	yes			
Warm-Up Time	< 1 min			
Housing material	anodized aluminum			
Connection	connector M12x1 - 4 poles			
Degree of protection	IP67			
Safety protection class	3B	3R (*)	2M (*)	2M

*) 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 40.

Ed. 03/2021 - All specifications are subject to change without notice