

LPG-532-PSS-OP POINT LASER POINTER

Zones 1, 2, 21, 22

Full catalogue available on our website: www.inpratex.com

ATEX INSTRUMENTATION

ZONES 1, 2 (gas) & 21, 22 (dust)



These explosion-proof laser pointers (laser class 2) are available with a green laser as standard (red laser available upon request). All devices are certified for use in hazardous areas, including Zones 1, 2, 21, and 22.

They are ideally suited for precise alignment and positioning tasks in potentially explosive environments.

No additional peripherals required.



EU-Type Examination Certificate

ITEM REFERENCES

Designation:	Beam shape:	Dimensions:	Item No.:
LPG-532-PSS-OP	Point, green		

TECHNICAL SPECIFICATIONS

Marking:	II 2(1)G Ex db [op is Ga] IIC T4 Gb II 2(1)D Ex tb [op is Da] IIIC T135°C Db										
Certificate:	EU-Type Examination Certificate										
Operating temperature:	0°C to +40°C										
Storage temperature range:	-20°C to +70°C										
Housing:	M18, Material: Ms 58 nickel plated										
Ingress protection:	IP67										
Light Source:	Laser, green, 532 nm, class 2										
Maximum optical radiant power:	< 1 mW										
Divergence angle:	2 mrad										
Supply voltage, U_e :	24 VDC \pm 10%										
Absolute maximum supply voltage, U_m :	30 VDC										
Maximum power dissipation:	2.5 W										
Maximum current consumption:	95 mA										
EMC, shock and vibration resistance:	Vibration: 30g over 20Hz to 2Khz. Shock: 100g for 3ms										
Laser lifetime:	5000 h										
Connection cable:	2+PE x 0.5mm ² ,TPU jacket, shielded, halgone-free, oil and solvent resistant, cable for trailing, length: 10m										
Accessories included:	<ul style="list-style-type: none"> • 2x nuts M18 • 1x Warning plate "LASER RADIATION. DO NOT STARE INTO BEAM. CLASS 2 LASER PRODUCT", self-adhesive for gluing near to the sensor. 										
Safe equipotential bonding for Ex devices:	Ensure local equipotential bonding by means of a corrosion-resistant PE connection. The end of the cable must be connected outside the hazardous locations.										
Wiring and Connection:	<table border="1"> <thead> <tr> <th>Lead-No</th> <th>Function</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>24 VDC \pm 10%</td> </tr> <tr> <td>2</td> <td>0V</td> </tr> <tr> <td>yellow-green</td> <td>PE/PA</td> </tr> <tr> <td>white</td> <td>Cable shield</td> </tr> </tbody> </table>	Lead-No	Function	1	24 VDC \pm 10%	2	0V	yellow-green	PE/PA	white	Cable shield
Lead-No	Function										
1	24 VDC \pm 10%										
2	0V										
yellow-green	PE/PA										
white	Cable shield										