XN RED SERIES

DALO SISTEMI

For all industrial uses and specifically for the marble, wood and mechanical industries.

The **XN Red** series lasers have been designed and built after years of research and development for daily use in all types of industrial environments and specifically for the marble, wood and mechanical industries.

They are available with laser output power from 1 to 50mW and can project lines, dots and crosses of different sizes.

The stainless steel body, in addition to being highly resistant to any type of shock, guarantees absolute protection for the laser diode, for the precision optics for PCB electronics (IP67)

The **XN Red** series is available with different types of power supplies which make it usable in all low voltage networks. The internal electronic circuits guarantee excellent protection against voltage peaks or sudden changes.

Easy to instal

IP67 Protection

IK10

Laser Power
Up to 50mW

Reverse Polarity
protection

MAIN FEATURE

Body:	Stainless steel AISI316
Proyection:	Line, Point and Cross
Water and dust-proof:	IP67
Shock-resistant:	IK10
Opening angles available for line:	30°, 40°, 60°, 90°(standard)
Opening angles available for cross:	15°, 45°
Fix optical focal length	Customer request

LASER TECHNICAL DATA

Laser type:	diode
Wavelength:	650 nm
Color:	Red
Divergence:	0,5mrad
Laser power:	from 3 to 50mW
Class:	1, 2M, 3B
Diode Duration:	30.000 h

ELECTRIC TECHNICAL DATA

Voltage DC:	12/24 Vdc – 5Vdc
Voltage AC:	12/24Vac
Reverse polarity protection:	YES
Power consumption:	< 200 mA
Connector:	M12/M – 4 pin
TTL Mode:	YES

HOUSING TECHNICAL DATA

Body:	Stainless steel AISI 316
Water-Dust protection:	IP67
Shock resistant:	IK10
Dimension:	Length 110 mm X Ø 20 mm

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Weigth:	140 gr.
Operating conditions:	–10°C ... +40°C - < 95% UR

MODELS AND CONFIGURATIONS AVAILABLE

LINE LASER

Laser Power	Model	Laser Safety Class	Line Length *90°
1Mw	1XN-R-Line	1	Up to 1 mt
3mW	3XN-R-Line	1	Up to 2 mt
5mW	5XN-R-Line	1	Up to 4 mt
10mW	10XN-R-Line	1	Up to 6 mt
15mW	15XN-R-Line	2	Up to 8 mt
20mW	20XN-R-Line	2	Up to 10 mt
30mW	30XN-R-Line	2M	Up to 12 mt
40mW	40XN-R-Line	2M	Up to 14 mt
50mW	50XN-R-Line	2M	Up to 18 mt

DOT LASER

Laser Power	Model	Laser Safety Class
1mW	1XN-R-Point	1
3mW	3XN-R-Point	1
5mW	5XN-R-Point	1
10mW	10XN-R-Point	2M
15mW	15XN-R-Point	2M
20mW	20XN-R-Point	3R
30mW	30XN-R-Point	3R
40mW	40XN-R-Point	3B

CROSS LASER

Laser Power	Model	Laser Safety Class	Cross dimension at 1 mt - *15°
1mW	1XN-R-Cross	1	150 X 150 mm
3mW	3XN-R-Cross	1	150 X 150 mm
5mW	5XN-R-Cross	1	150 X 150 mm
10mW	10XN-R-Cross	2	150 X 150 mm
15mW	15XN-R-Cross	2	150 X 150 mm
20mW	20XN-R-Cross	2	150 X 150 mm
30mW	30XN-R-Cross	2M	150 X 150 mm
40mW	40XN-R-Cross	2M	150 X 150 mm
50mW	50XN-R-Cross	2M	150 X 150 mm

* Measure with standard optics. Line length depends on ambient light, focal distance, and from the angle proyection.