

# AL 0175-XX / Target laser



### Characteristics:

- Available with either visible red or Invisible wavelength
- Off- Low- High power selector Switch
- Laser beam axis fully adjustable
- Low power is ~4% of High power setting i.e. 0.4mW / 0.016mW
- Powered with same battery as Aimpoint red dot sight.
- Adapts to Aimpoint red dot sight
- Remote Trigger activation

### Short description

The AL 0175-XX laser is a development based on long experience in engineering and manufacturing of lasers ranging from pistol to military infantry rifle applications. The AL 0175-XX laser is the result of a joint venture with AIMPOINT and designed to be used in combination with AIMPOINT red dot sights. It enhances the sight capability with an active target lasers. The combination provides a unique choice to select the best sight to suit all conditions. The desired wavelength insert can be defined from a range of basic laser sources. The insert can be adjusted in X and Y axis independently. The AL 0175-XX laser is a truly unique tool, light weight, small and sturdy. AL 0175-XX laser can be fitted with any of the following standard inserts.

- Red beam (insert 1)
- Infrared beam (insert 2)

If required, other wavelengths and power settings are also available.

### Technical Data

AL 0175-XX / Target laser					
Light source	Wavelength	Beam output power	Beam Shape	Beam divergence	Laser class
Insert 1	635 or 650 nm	0.5 ... 5 mW	5 x 2 mm	typ 0.5 mrad	Subject to Power
Insert 2	830 ... 850 nm	0.004 ... 3.5mW*	5 x 2 mm**	typ 0.5 mrad***	
Adjustment of laser beam		1 Click = 0.28 mrad	Adjustment range of laser beam		± 20 mrad
Power supply	Quantity	Power	Size	Type	Manufacturer
Battery	1	3 V	DL1/3N	LiMnO2	Duracell

Unless indicated otherwise, the data is accurate at ambient room temperature and normal operating conditions

\* Eye safe setting high power = 0.7 mW ; \*\*circular with corrective diaphragm; \*\*\*0.65 mrad with diaphragm

Important notice: Beam output power will be set as required by the user. The user is solely responsible for the observation of the applicable safety regulations.

**Weight**

< 150 grams without trigger and Aimpoint bracket

**Battery life**

90 minutes continuous

**Water tightness**

Suitable for immersion to a depth of 20 Meters

**Temperature**

Operation from -10°C to + 50°C

Storage from - 40°C to + 85°C

**Shock**

DIN 58390-30-04-2 50g/11ms in direction of fire

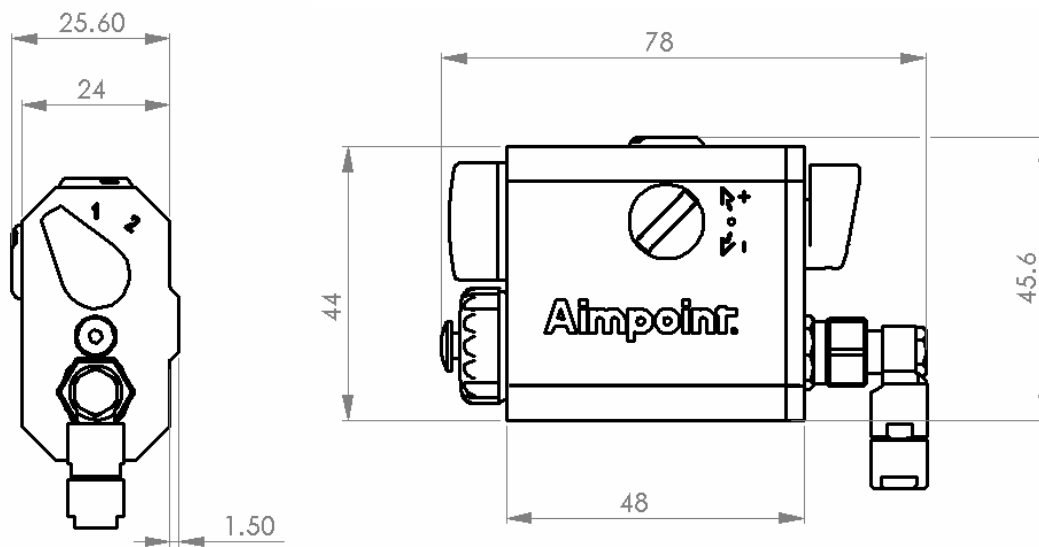
DIN 58390-30-01-2 5g/11ms horizontal and vertical to direction of fire

DIN 58390-36-08-2 3-dimensional; 10-500Hz / 0.35mm / 5g

**Other**

The resistance to chemical agents; weapon cleaning materials; ambient conditions such as moisture, solar radiation, dust is equivalent to the Aimpoint red dot sight.

**Dimensions**



Housing height (overall )	Housing width (overall )	Overall housing length (overall )
44 mm (45.6 mm)	24 mm (27.1 mm)	48 mm (78 mm)

AL 0175-XX / Target laser Order numbers			
Configuration	Wavelength nominal	Power high	Power low
0175-03	840 nm	0.1 mW	0.005 mW
0175-04	635 nm	3.5 mW	1 mW
0175-05	850 nm	0.7 mW	0.035 mW

0175-XX-94-02-003 (AL 0175-XX Data Sheet english).doc subject to change without prior notice