



Product Design & Specifications

The professional choice in premium laser products

BTE-4SE

Engraved Constant On/Off Red Laser

Red - 635nm (Ruby Series)



Design & Operation

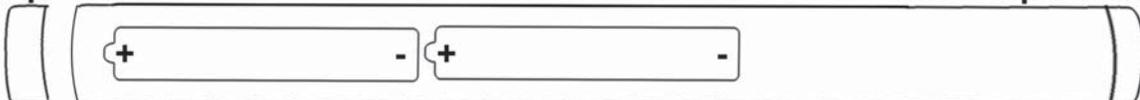
The Z-Bolt® BTE-4SE is constructed of high quality steel & brass components and includes an IR filter and glass lens for superior laser performance. Jet black tube finish; engraves in vibrant gold (exposes brass casing). The BTE-4SE also includes our special APC control circuit for power output stability (see below) Activate the constant on/off click switch and the unit emits the highest power 635nm red laser light, projecting a brilliant ruby red laser dot. No comparison to cheaper 645~650nm red laser pointers, (the BTE-4SE is twice as bright) the laser has a visible range of 4,500 ft. (Night) The red laser module operates on 2 pcs AAA batteries for superior battery life - fifteen (15) hours constant on operation. Add a Z-Bolt® cable switch for any application that requires remote activation. Ships in satin lined carry case.

The computerized APC diode drive circuit features "Automatic Power Control". The APC circuit is based on a photo diode feedback loop. The photo diode monitors the optical output and provides a control signal for the laser diode, helping to maintain the diode operation at a constant optical output level. The circuit adds to the lifetime of the laser, prevents overheating, and provides overall power output stability & efficiency.

Batteries

Cap - Switch

Aperture



Remove Cap Switch. Insert two AAA batteries (+) Tip toward cap. Replace Cap. Do not attempt to remove aperture; voids warranty.

Box Contents - Features

- 98% IR Filtering & Glass Focusing Lens (Not Plastic)
- Battery Life - Fifteen Hours Constant On Operation
- Computerized APC Diode Control Circuit
- Power Source - 2 pcs AAA Alkaline
- User Guide & Specification Card
- Constant On/Off Click Switch
- Satin Lined Carry Case
- Jet Black Finish

Laser Specifications

- Length 5.40 in. x Diameter 0.51 in. (137 mm x 13 mm)
- Wavelength (Color) - 635 nm (Ruby Red)
- Output Power - 1.0~5.0 mW
- Diode Operating Life - 3,000 hours
- Diode Circuit Type - Computerized APC
- Beam Diameter at Source - 1.1 mm
- Output Mode - Constant Wave
- Range (Night) - 4,500 ft.
- FDA Safety Class - IIIa
- ANSI Safety Class - 3R
- Warranty - 1 Year

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