



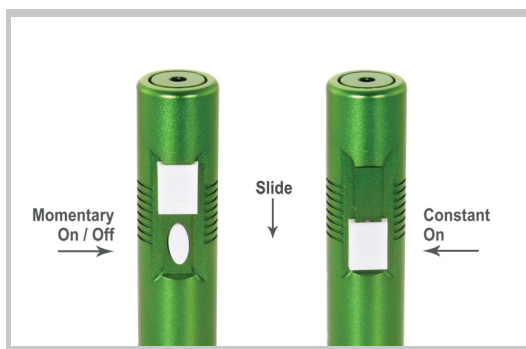
# Product Design & Specifications

The professional choice in premium laser products

D-5-G

Duet® Emerald Green Laser Pointer

532nm - Green (Emerald Series)



## Design & Operation

The Duet® Emerald is truly innovative. Most laser pointers have either a momentary push button or constant on click switch for hands free operation. The Duet® Emerald has both. The oval button is a momentary pressure switch for hand held pointing; the square button slider switch allows for hands free use. The green laser module is fitted with a high quality IR filter and glass lens for superior laser performance.

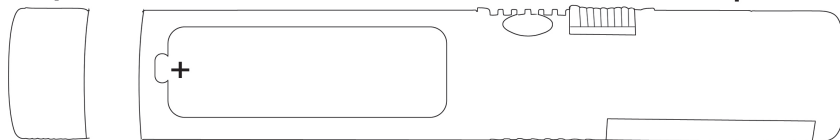
The unit also features our special design APC control circuit for added function and power output stability (see below). The Duet® Emerald projects a brilliant emerald green laser beam and dot. Visible beam at night - bright green dot during daytime hours. Ships with free Z-Bolt® lanyard for neck or wrist, black nylon belt carry pouch (MOLLE Style)

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

Aperture



Remove Cap. Insert CR123A or equivalent with (+) Tip toward cap. Replace Cap. Do not attempt to remove aperture; voids warranty.

## Box Contents - Features

- 98% IR Filtering & Glass Focusing Lens (Not Plastic)
- Switch Function - Constant On/Off & Push Button
- Battery Life - Six (6) Hours Continuous On
- Power Source - 1pc CR123A (Included)
- Nylon Belt Carry Pouch (MOLLE Style)
- Z-Bolt® Lanyard - 36" Green Nylon
- User Guide & Specification Card
- Anodized Aluminum Casing
- Jet Black Finish

## Laser Specifications

- Length 4.45 in. x Diameter 0.75 in. (113 mm x 19 mm)
- Wavelength (Color) - 532nm (Emerald Green)
- Output Power - Z-Bolt® "plus" 4.0 ~ 5.0 mW
- Diode Operating Life - 3,000 to 5,000 Hrs
- Diode Circuit - Computerized APC
- Beam Diameter at Source - 1.1 mm
- Output Mode - Constant Wave
- Range ( Night ) - 5 Miles
- FDA Safety Class - IIIa
- IEC Safety Class - 3R
- Warranty - 1 Year

[Z-Bolt.com/Products](http://Z-Bolt.com/Products)