

FN® FCU Mk3 Fire Control Unit for 40mm Grenades

FN® e-novation
Enhancing capability through e-technology

Hit first time, night and day



FN HERSTAL

FN® FCU Mk3 Fire Control Unit for 40mm Grenades

The probability of hitting a target first time with a 40mm LV/MV grenade launcher is low, even for an experienced shooter. The problem is not the grenade. The problem is the grenade launcher's basic sights and the number of complex factors that must be assessed under extreme stress. This includes the range, slope angle, temperature, choice of grenade type, cant and the lateral drift.

The FN® FCU Mk3 Fire Control Unit by FN Herstal features a high performance optoelectronic aiming system that vastly improves first round hit probability.

The FN® FCU Mk3 replaces complex decision making with an automatically adjusted reticle, which makes target engagement faster and more accurate, day or night, while being easy to use, light and compact.

The FN® FCU Mk3 combines over 15 years of FN experience in the design, development and manufacture of Fire Control Units with user feedback and the latest generation of integrated electronic modules.



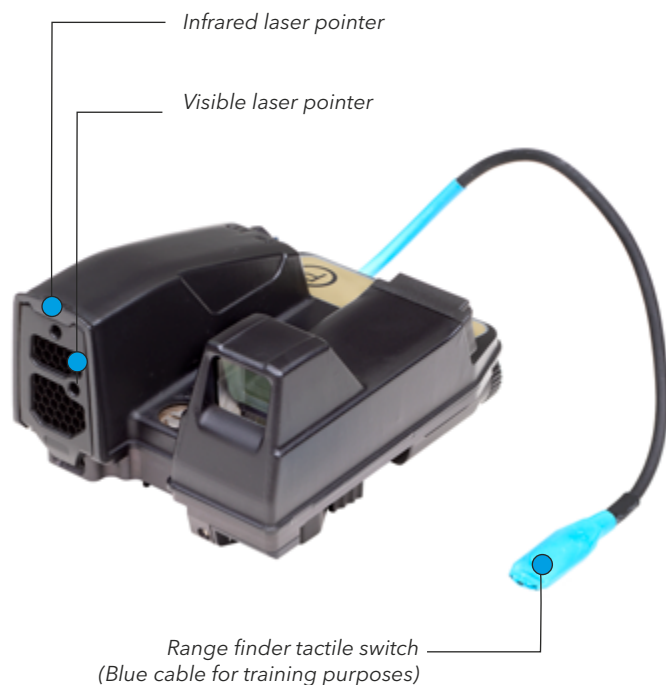
Easy and quick to use:

**PRESS SWITCH
AIM
SHOOT**



KEY BENEFITS

- › Extremely reliable with no external moving parts
- › Accurate night and day
- › Automatic adjustment of the reticle
- › Accurate and fast target engagement
- › Automatic lateral drift compensation
- › Simple to use
- › Shooter's eye always remains on target
- › Quickly detachable
- › Undetectable
- › Quick and easy transition between different types of grenades
- › Compatible with any rifle and grenade launcher or multi-shot grenade launcher with top rail
- › Designed and manufactured in Europe (ITAR-free)



- Optical sight with moving reticle
- Patented high angle (superelevation) aiming system
 - NVG compatible
 - Adjustable brightness
 - Compensation for lateral drift
 - Weapon cant indicator

- Display
- Automatic brightness adjustment
 - Readable in bright light conditions



SAFE TRAINING IS PROVIDED WITH:

- a specific laser switch fitted with a blue screw acting as a retainer
- a dedicated blue cable to lock all lasers in eye safe mode.

**Compatible with any rifle
and grenade launcher
or multi-shot grenade launcher
with top rail**

CO-WITNESSING AND ZEROING

- Elevation and windage can be adjusted separately
- This allows co-witnessing between the laser range finder and the rifle sights and between the moving red reticle sight and the grenade launcher.

STATE-OF-THE-ART LASER RANGE FINDER

- Capable of range measurement up to 1,000m on NATO standard target (up to 2,500m on request)
- Compact and effective, in all weather conditions

BALLISTIC TABLES

- The FN® FCU Mk3 is provided with ballistic tables. New tables can be created by the customer using dedicated software.

Technical Data

| FN® FCU Mk3 | |
|--|------------------------------------|
| Range finder | |
| Range measurement (1.5x1.5m target, 5km visibility, 28% target reflection) | 30-1,000m (up to 2,500m on demand) |
| Measurement time | 0.4s |
| Laser class | 1 |
| Range resolution | 1m |
| Aiming | |
| Reticle type | Illuminated red cross |
| Maximum vertical elevation | 38° |
| Width of aiming window | 18mm |
| Miscellaneous | |
| Battery | 1 x CR123 |
| Laser designator 635nm (visible pointer) | Class 1/3B* |
| Laser designator 850nm (IR pointer) | Class 1/3B* |
| IP protection | IP68 |
| Operating temperature range | -32°C to +63°C |
| Mechanical | |
| Height | 75mm (2.95") |
| Length | 134mm (5.26") |
| Width | 97mm (3.82") |
| Weight (excl. battery) | Approx. 580 g (1.28 lb) |

* Class 3B available by using a separate specific operations switch

Virtual Reality Training System

AVAILABLE ON REQUEST



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