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PRSU

PRSU

PORTABLE RANGE SIMULATOR UNIT



OVERVIEW

The PRSU is a hand-held electronic test device that simulates single or multiple range returns, allowing the user to “confirm” accurate rangefinder operation without the need for an outdoor range with targets. The PRSU detects a pulse from a rangefinder and provides a timed return appropriately simulating the desired range(s) with an accuracy within $\pm 2m$.

USER BENEFITS

- Ability to test fielded rangefinders without the use of an outdoor range
- Assess if fielded rangefinders are providing correct range return.
- Simple, easy to operate design
- Internal USB-C rechargeable power source (no need for batteries)
- User-programmable target returns (up to 5) with variable power & target reflectivity
- Can be utilized on weapon mounted, handheld and vehicle mounted rangefinders
- Compatible with 905nm and both single and multi-pulse 1550nm rangefinders

PRSU FEATURES

- Weight** 1.05 lb. Control unit, cables and heads
- Dimensions** 7.5” x 4” x 1.5” Control unit
- Ranging Accuracy** ± 2 meters
- Battery Life** ~10 Hours
- Kit Components** Hard Case, PRSU Control unit, Transmit head module, Receive head module, USB power Adapter, USB A-C cable, 2 x 18” CAT6 Ethernet Cables
- User Interfaces** 5 button keypad or touch screen, Serial over USB interface
- Rangefinder Compatibility** Single and multi-pulse rangefinders 905nm & 1550nm
- Power** Internal battery (rechargeable via USB-C) or external USB-C power

Rangefinder Compatibility: Base kit includes 1550nm LED Transmit head module, ideal for diode-based multi-pulse 1550nm LRFs. Additional accessory modules available that provide additional or expanded capability for certain LRFs or testing requirements.