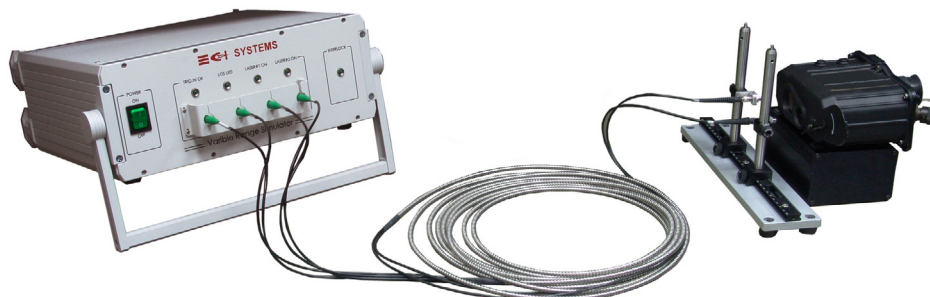


» VRS

Variable Range Simulator



The VRS - Variable Range Simulator is a system used for range simulation and testing of Laser Designators and Laser Range Finders (LRF) for accuracy and functionality.

The VRS can test LRFs operating in a broad range of wavelengths from 850nm to 1570nm, with the option of selecting up to three discrete wavelengths to be incorporated into the VRS.

» FEATURES

- ▶ Simulate ranges, laser pulse width and energy per pulse
- ▶ Simulation modes for constant ranges or dynamic targets
- ▶ Can be activated by either optical pulse or electronic trigger
- ▶ Superior ranging accuracy
- ▶ Includes: CI-Systems S/W, laser for alignment via a visible channel, mechanical adjustable jig for holding the optic fibers

Optional Features:

- ▶ Dynamic targets can be simulated with up to 15,000 lines stored in one file
- ▶ Select up to three independent laser sources / wavelengths
- ▶ Stand alone unit or 19" Rack mountable

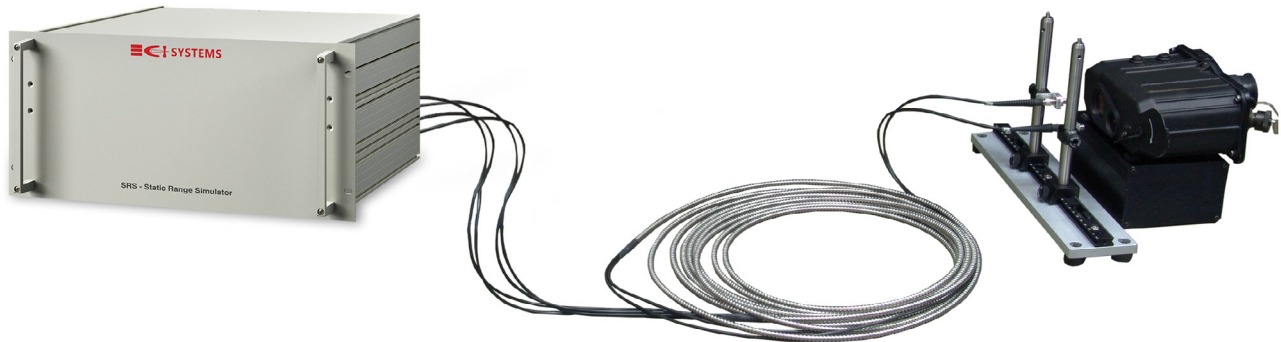
» SPECIFICATIONS

Model	VRS	VRS-EX
Wavelengths	from 850 nm to 1570 nm (up to 3 wavelengths per VRS unit)	
Input trigger - optical type	Single laser pulse available at any wavelengths between 850 nm to 1570 nm	
Input trigger - electronic type	TTL	
Range Simulation and range accuracy (*)	from 120m to 30km ± 1m	from 80m to 60km ± 0.5m
Range resolution	1 m	0.5 m
Pulse width and pulse width accuracy	12 - 80 nsec ±1nsec	6 - 160 nsec ±1nsec
Laser power output	20 mW @ fiber end (other optional)	
Dynamic output power range	20 dB (non-linear) electronic control (optical filters can be added by the user)	
Static (constant) target simulation	Up to 2 targets	Up to 5 targets
Dynamic target simulation	Up to 2 targets	
Pulse rate	4.8 kHz (max)	
Memory	Up to 15,000 lines stored in one CSV file	
Interlock control feature	"Dry contact" circuitry	
Visible alignment laser	630 nm	
Communication type	RS-232, USB communication by serial adaptor	
Input power	110/220 VAC - 1.25 A	
Operating temperature	0 °C to 40 °C	

(*) The range simulation is calibrated with the provided fiber optic bundle

» SRS

Static Range Simulator



SRS - the Static Range Simulator, is used to test the functionality of Laser Range Finders (LRF). The SRS can simulate up to three different ranges. The SRS is Light weight, compact and portable device, Easy to operate, and its flexibility allows users to specify any simulated range requested.

SRS System provides superior accuracy, when testing all LRF's models currently available in market, including simulating ranges of LRF's that emits "Train Pulses".

SRS System includes: Transmitter fiber optics, receiver collimator and fiber optic, mechanical jig for holding the optic fibers.

» FEATURES

- ▶ Simulate ranges up to 50 km
- ▶ Superior ranging accuracy
- ▶ Light weight portable device and easy to operate

» SPECIFICATIONS

Model	SRS
Range simulation*	120 m - 50 km
Range accuracy	± 1 m between 850 nm to 1570 nm
Dimensions (W x D x H)	260 x 260 x 175 mm
Weight	5.5 Kg
Operating condition: Ambient temperature	0 °C to +40 °C
Operating condition: Relative humidity	Standard controlled temperature laboratory
Storage conditions: Ambient temperature	-20 °C to +70 °C
Storage conditions: Relative humidity	5% - 95% (non condensing)

Optional:

- ▶ The SRS can simulate up to three different ranges
- ▶ Optional attenuator for minimum detectable signal fiber
- ▶ Optional baffle for cross-talk reduction