

# OLT

0 Level Laser Tester



**ECS SYSTEMS**



# OLT

## O Level Laser Tester

The OLT offers fast, reliable, easy to operate and versatile testing of laser range finders and laser designators in the field or lab/depot. The OLT tests all the significant parameters of laser systems such as energy, pulse width, PRF, divergence, range..

The OLT consists of an optical head and an electronic control unit that is computer operated  
CI's automatic test software controls the OLT and provides the means to perform comprehensive, accurate, automatic testing

### FEATURES :

- ▶ Portable, compact and light weight
- ▶ Easy to operate
- ▶ Performs under field conditions
- ▶ Rugged construction
- ▶ Adapted to a wide spectral band
- ▶ Ambient temperature compensated
- ▶ Fully computerized for automatic testing
- ▶ User friendly software

### LASER TEST CAPABILITIES :

- ▶ Pulse Energy Up to 140mJ,  $\pm 3\%$  accuracy
- ▶ Minimum detected pulse width 4 nsec
- ▶ Missing pulses
- ▶ Pulse repetition frequency (PRF) 10-20Hz, 0.05Hz accuracy
- ▶ Beam divergence 0.1 to 0.7 mrad, 10 $\mu$ rad accuracy
- ▶ Range simulation 4500m, 2m repeatability. Other ranges per request.  
Capable of simulating multiple targets.
- ▶ Receiver sensitivity Single value Go/No-Go test

### SPECIFICATIONS :

- ▶ Wave length 1.064 $\mu$ m and/or 1.54 $\mu$ m. Other wavelength per request
- ▶ Aperture 102mm
- ▶ Maximum reflected energy back to the UUT  $1 \times 10^{-7}$  times the measured energy
- ▶ Weight: Optical head 10 Kg  
Electronic control unit 12 Kg
- ▶ Dimensions: Optical head 440x440x365  
Electronic control unit 465x255x335
- ▶ Environmental : Operating temperature -10° to + 40°C  
Storage temperature -30° to +70°C  
Humidity 95% non-condensing  
Vibration 2g, 5 to 55 Hz
- ▶ Power consumption 50W
- ▶ Power 220/115 VAC 50/60 Hz

