

» ILET

Intermediate Level Electro-Optical Tester



The CI Systems ILET (Intermediate Level Electro-Optical Tester) family of test systems is ideally suited for performing I-level optical tests and laboratory testing.

Portable, compact and computerized, ILET testers can be installed in vehicle and enable full testing of thermal imagers and visible light sensors, saving the use of D-level facilities.

The basic ILET configuration includes a collimator, a radiation source (blackbody and/or visible light source) and a target wheel (manual or motorized).

The ILET is easy to use when interfaced with CI Systems' CTE software (optional), minimizing testing turnaround time and maximizing testing objectivity and repeatability.

The testers retain their accuracy over a wide range of temperatures. Thanks to the ILET's outstanding features and versatility, it is useful in a variety of applications such as testing inside environmental chambers, testing on production lines or testing in the field.

» FEATURES

- ▶ Portable
- ▶ Easy to operate
- ▶ Rugged construction design per MIL-STD 810G (secured cargo)
- ▶ Tripod mountable
- ▶ All functions can be controlled via a computer using CI Systems' CTE automatic test software (optional)
- ▶ Optional ILET models for environmental chamber

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» SPECIFICATIONS

Collimator type	Off axis, reflective
Primary mirror	Parabolic, pyrex or aluminum
Spectral band, μm	From 0.4 to 15
Target wheel	Motorized or manual
Operational Temp. range, $^{\circ}\text{C}$	From +10 to +35
Optional Chamber model, $^{\circ}\text{C}$	From -40 to +80
Communication	Ethernet, RS232
Sources (optional)	Blackbody models: SR-800N-2D, SR-200N Integrating sphere model: SR300N-1-close-mot or other visible light source (optional)

Model:	ILET-2-2.9	ILET-4-2.0	ILET-5-1.1	ILET-5-2.0 Short	ILET-6-2.0
Clear Aperture, inch	2	4	5	5	6
Focal Length, inch	10.83	30	30	15	40
FOV, deg.	2.9	2.0	1.1	2.0	2.0
Target positions, standard (1)	x1	x8	x16	x16	x8
Size (Length x Height), cm (2)	35 x 10	80 x 22	80 x 20	46 x 25	106 x 34
Weight, kg. (2)	4	12	12	14	23

Notes:

- 1) Different number of target positions available upon request
- 2) Weights and sizes may vary depending on the specific configuration. Weight do not include radiation sources.



ILET-5-2.0 Short