



The World Leader in E-O Testing, Measurement and Simulation Solutions for over 30 Years

Applications

Payload Testing

- Multi-sensor FLIR/Laser/CCD testing
- Boresight between line of sights
- Manufacturing level testing
- Depot level testing
- Field & flight line testing

E-O Testing

- FLIRS
- Day sights
- Laser range finders
- Laser designators
- CCD cameras & image intensifiers
- MTF for optical components
- Detector testing
- Boresight testing
- Advanced weapon boresight systems
- E-O field testers

E-O Simulators

- Envelope of performance simulators
- Missile approach simulators
- IR dynamic scene projectors

E-O Missile Testing

- Day seekers testing
- IR seekers testing
- Laser seekers testing
- Envelope of performance simulators
- Missile approach simulators

Remote Sensing

- Spectroradiometry
- Radiometry
- Hyper spectral imagers

For more than 30 years, CI Systems has been supplying a range of commercial & MIL-Standard Electro-Optical test, measurement, simulation and maintenance equipment to meet the needs of development engineers, production, and QA all the way through to the Depot, Intermediate and Operational levels of maintenance. CI Systems is supporting the EO industry for better efficiency and quality.



www.ci-systems.com/eo

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FOR CI'S REPRESENTATIVE IN YOUR COUNTRY / REGION, PLEASE VISIT OUR WEB SITE: www.ci-systems.com/eo

Cat. No. 607-1510C Jan.2007

Specifications are subject to change without prior notice



- IR sources
- Visible light sources
- Collimators
- FLIR / CCD / Laser testers
- Boresight testers
- IR & UV threat simulation
- IRCM testing
- Spectroradiometers
- Spectral imagers
- Fast radiometers

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IR & Visible Sources

Complete Product Line

- On screen control & display
- Full digital communication
- Differential & absolute temperatures
- Superior accuracy and uniformity for NIST traceable results
- Computer-controlled
- Compact
- Reliable
- Calibration kits available for on-site support



Extended Area Blackbodies

- A selection of radiation heads from 2" to 14"x14"
- -40°C to 600°C temperature range
- High uniformity
- High accuracy



High Temperature Blackbodies

- 1/8 to 1" cavity
- Up to 1200°C
- Optional additional features including: choppers, filters, and targets

◆ High intensity & uniformity visible light sources

IR & Visible Light Test Sets

30 Years Experience in All Operation Levels

- Extensive line of standard collimators to support a broad range of application needs
- From go - no/go portable units to the most comprehensive systems for development, manufacturers & depot applications
- From manual to fully automatic operation using CI's standard testing software



R & D Manufacturing & Maintenance



Wide Field Of View Testing



Field Support & Evaluation



Intermediate Support & Maintenance

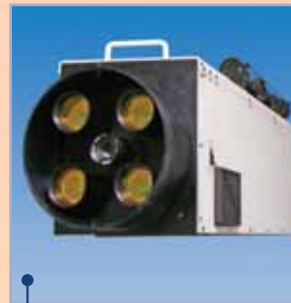
Remote Sensing & Spectroradiometers

Proof of Technological Excellence

- High-end products - from the UV to the Long IR - to solve a broad range of application needs
- Complete product line of standard spectroradiometers and fast radiometers for cost-effectiveness



Visible to LWIR Spectral Imagers



Ultra Fast Multi Channel Spectroradiometers



UV to IR Continuous Range Spectroradiometers

Turn-Key Test Systems

Proven Experience in Multi-Sensor Test Systems

- Fully automated multi sensor systems (POD) testers
- FLIR, CCD and Laser testing
- Proven by major multi-sensor programs
- Sensors LOS boresighting
- End to end solutions for system testing



UAV Multi Sensor POD Testers



Manufacturing & Depot Targeting POD Testers



Dual Color Missile Testers



Multi Sensor Payload Flight Line Testers

IR, UV & Laser Threat Simulators

Complete Solution for Missile Simulation & Warning Systems Testing

- Hand-held and portable versions designed for field use to support IRCM / UVCN manufacturers and users
- Modular test systems to simulate realistic, dynamic scenarios for sensor testing as well as crew training
- Options include tracking devices and fast radiometers for measuring the counter measure response
- Laser stimulations for laser detectors activation or testing



Long Range Field Missile Approach Simulator



Flight Line Missile Approach Simulator

Laser Testers

End to End LRF and Designator Testers

- Comprehensive laser range finders & designators testers
- Wave length: 1.06 & 1.54 / 1.57 μm and others
- For field & depot use



Development, Manufacturing & Maintenance



Field Testing & Evaluation

- Tests include:
 - Pulse energy
 - Spot tracker
 - Pulse width
 - PRF
- Divergence
- Missing pulses
- Range simulation
- Receiver sensitivity

Boresight

Technical Know-How and Experience

Weapon Boresight

- The AWBS is an electro-optical boresight for accurate guns to sight alignment
 - Based on a high resolution CCD camera
 - Electronically produced and adjustable cross hair
 - Fits various gun diameters with interchangeable rods
 - May interface with existing displays in a vehicle
 - Programmable cross hair pattern
 - Automatic alignment
 - RF communication to control unit



Advanced Weapon Boresight System - AWBS

Inflight Boresight

- FLIR to CCD & laser boresight
- Compact & light weight
- Fast boresight procedures



POD inflight boresight

MTF/Transmission

Full Spectrum MTF & Transmission Measurement

- From visible to IR optical components testing
- MTF & Transmission on the same bench
- Up to 250mm lens aperture
- Down to # F1



MTF bench