

OPTRONIC LABORATORIES

ODM/ OEM System Design and Industrial Manufacturing Capabilities

Optronic Laboratories has 40 years experience in photonics system design and manufacturing, and while it is recognized world-wide as the expert in spectroradiometry for both instrumentation and calibration services (specifically measurements from 200 nm to 30 μ m), we also offer full product engineering, design, services and contract manufacturing capabilities.

We welcome the opportunity to bring our depth of expertise and vast experience in optics, mechanics, electronics, software, firmware, photonics, systems integration, demanding commercial and quick-turn production, as well as custom designed and OEM solutions, to meet your challenging program requirements.

ENGINEERING AND DESIGN CAPABILITIES

- ISO 9001 engineering, project management and documentation structure
- Extremely low level detection technology (*1 fA, 1 nV resolution*)
- Current source precision regulation
- CE compliant design
- Integrating sphere technology
- Digital signal processing/image processing
- Optical modeling/systems design
- Custom electro-optical / mechanical design and development
- Precision motion control
- Windows[®], Mac & embedded software development capabilities

PRECISION CONTRACT MANUFACTURING AND TESTING

- ISO 9001:2008 Accreditation
- Precision Opto-Mechanical and Electronics Assembly
- Systems Level Integration and Test
- CNC Machining, Coating and ESD Facilities
- Manufacturing Enterprise and Supply Chain Management Systems
- NIST Traceable Test and Calibration Services

COTS PRODUCTS AND SERVICES

- OEM and Custom Design and Development
- Spectroradiometers
- Radiometer / Photometers
- Hyperspectral/Multi-spectral Imaging Systems
- Calibration and Measurement Services
- Spectroradiometric Calibration
- Characterization of Detectors and Light Sources
- Calibration Standards
- Spectroradiometric Standards & Power Supplies
- Spectral Irradiance / Illuminance Standards
- Spectral Radiance / Luminance Standards
- Detector Standards
- Lock-in Amplifiers
- Integrating Spheres
- Sphere Coating Services

Data sheet: B151 Dec 2020 | Rev A

As part of our policy of continuous product improvement, we reserve the right to change specifications at any time.