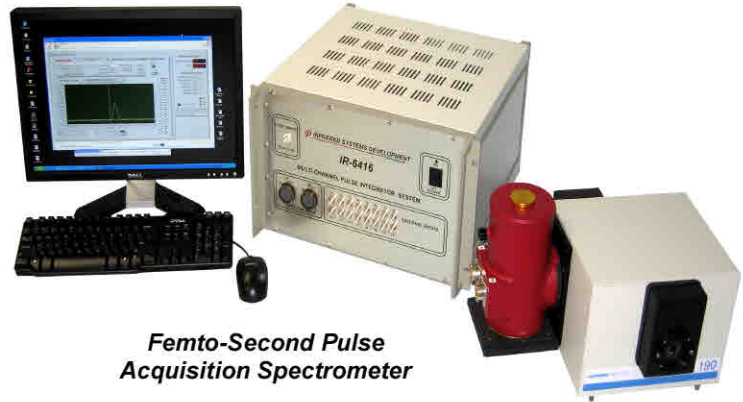


# INFRARED SYSTEMS DEVELOPMENT CORPORATION



MCT-1000 & INSB-1000 Preamplifiers



Femto-Second Pulse Acquisition Spectrometer

## PREAMPLIFIERS & ARRAY INTEGRATORS



12-550 Mark III Spectral Radiometer

- Femto-Second Pulse Integrator System
- Single & Array Preamplifiers
- Low Noise Preamps for All IR Detectors
- Infrared System Test Sets
- Detector Test Stations
- Precision Spectral and Discrete Radiometers
- Pyro-Radiometers
- Energy Modulators
- Custom Software

Infrared Systems Development Corporation offers complete systems and accessories for all types of Infrared Testing and Analysis. Custom systems are also available.

The new FPAS2 series of Femto-Second Laser Pulse Integrator Systems provides a complete system for capturing High Speed Laser Pulses used in Multi Dimensional Vibrational Spectroscopy. The Low Noise and Large Dynamic Range of the FPAS-6416 allows Detector noise limited 16-bit Data Acquisition. The MCT-6400 series of Array Preamplifiers are the ideal solution for FTIR or CW Laser experiments. Complete channel-to-channel isolation is employed in both array systems to ensure optimum sensitivity and resolution.

The 12-550 Mark III Radiometer system is a field proven versatile Radiometer for all measurement tasks, from Spectral Radiance Measurements to Atmospheric Transmission Analysis. Our PRS-2000 Dual Pyro-Radiometer measures energy in two spectral bands simultaneously, its applications include Counter-Measure Flare Analysis, and Radiant Intensity Measurements. Custom Radiant Intensity Profile software is included.

The UDTS-1000 Test Set provides a complete testing environment, including software and test Reports for all types of Infrared Sensors and Systems.

## RADIOMETERS



PRS-2000 Dual Band Radiometer

## INFRARED TEST SYSTEMS



Energy Modulators



UDTS-1000 Infrared Test System

## WE HAVE A SOLUTION FOR YOU

7319 SANDSCOVE CT. #4 Φ WINTER PARK, FL 32792

(TEL) 407-679-5101 Φ (FAX) 407-679-5520

SALES@INFRAREDSYSTEMS.COM WWW.INFRAREDSYSTEMS.COM

# $\Phi$ INFRARED SYSTEMS DEVELOPMENT CORPORATION

## BLACKBODY SOURCES



IR-508



IR-518 & IR-519



IR-563 & IR-564



IR-574 with IFW

- 0.1 °C Temperature Resolution
- < 0.08 °C N.E.T.
- < +/- 0.2 °C Peak to Peak Stability
- Energy Modulators (Choppers)
- Motorized Aperture/Filter Wheels

### Cavity Blackbody Sources ( $\epsilon \approx 0.99$ )

IR-508	0.25"	50-1050°C
IR-518	0.40"	50-1050°C
IR-519 *NEW*	0.40"	50-1200°C
IR-563	1.0"	50-1050°C
IR-564	1.0"	50-1200°C
IR-574	2.25"	50-1200°C

- Custom Apertures
- Absolute and Differential Modes
- Proven 20 Degree Recessed Cone Cavity
- IR Camera Calibration & Uniformity Testing
- Non-Contact Thermometer Calibration

Infrared Systems Development Corporation is dedicated to the Quality Production of a Full Line of Blackbody Sources for Precision Calibration, Alignment and Testing. Choose from our Large, High Temperature IR-574 to our Miniature IR-508 Cavity Blackbody Sources for Point Source or High Energy Applications. Or, for Low Temperature or Larger Area Blackbody Sources from -30° C to +350° C, the New IR-2100 2" Square Blackbody and the IR-140 & IR-160 12" Square Blackbody Systems Provide Excellent Stability and Uniformity for IR-camera Calibration, and Non-Contact IR Thermometer Applications. All Of Our Blackbody Sources Are Controlled By The IR-301 Precision PID Controller With 0.1°C Resolution and RTD Cold Junction Sensor.

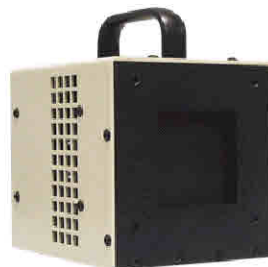
### Extended Area Blackbody Sources ( $\epsilon \approx 0.96$ )

IR-2100	2"x2"	(-5) to +140 °C
IR-2101	2"x2"	(-30) to +75 °C
IR-2103	3"x3"	(-5) to +125 °C
IR-2106	6"x6"	+5 to +150 °C
IR-140	12"x12"	Amb to 230 °C
IR-160	12"x12"	Amb to 350 °C
IR-150	12"x12"	Amb to 500 °C

IR-140, IR-160 & IR-150



IR-2100 Series



IR-301 Controller



## WE HAVE A SOLUTION FOR YOU

7319 SANDSCOVE CT. #4  $\Phi$  WINTER PARK, FL 32792

(TEL) 407-679-5101  $\Phi$  (FAX) 407-679-5520

SALES@INFRAREDSYSTEMS.COM [WWW.INFRAREDSYSTEMS.COM](http://WWW.INFRAREDSYSTEMS.COM)