



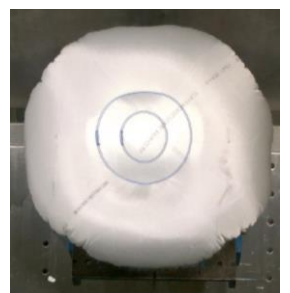
PYROS ADTS

PYROS Airbag Deployment Test System is a complete test solution for deploying airbags and firing squibs in a test lab.

Pyros integrates squib firing, sensor acquisition, high speed camera control, analysis and report generation being the best-cost solution for airbag deployment as well as other pyrotechnical devices.

MAIN FEATURES

- Used for testing pyrotechnical systems, airbag systems and electric igniters
- Squib firing: 2 or 4 channels, 6 amps per channel, 100 ns Timing Resolution, Current and Voltage recording during ignition
- Data acquisition: Pressure sensors, Load cells, 20 kHz sampling rate
- Report generation tool integrates graphs, data from squibs and sensors
- High-speed cameras integration: controls, configures, retrieves and saves images, automatic AVI creation
- Synchronized playback of sensors data and video
- Integration with aux. systems: ex. fan, door lock, lighting, beacon, climatic chamber
- Safety interlocks: hardware and software
- Fully automated system
- Configurable and upgradable system



SQUIB FIRE

- Generation of highly precise current pulses
- Channels: 2 or 4 Channel Outputs
- Integrated 4-wire Resistance Measurement
- Easy software programming interface
- Safety: TTL Sync output, Safety Interlock



DATA ACQUISITION

- 4 or 8 channel acquisition system (expandable)
- 16 bit resolution
- 20 kHz simultaneous sampling rate
- Temperature monitoring upon request
- Lemo 1B on all sensors



CAMERAS

- Integration of different brands: IDT, Phantom
Photron, others upon request
- Direct control on cameras parameters: fps, resolution, exposure,...
- Automatic Video AVI creation
- BCG, RGB, CSR corrections



AUX. INTEGRATION

- Integration of exhaust fan, lighting, climatic chambers
- Automatic Test sequence with all safety features monitored

