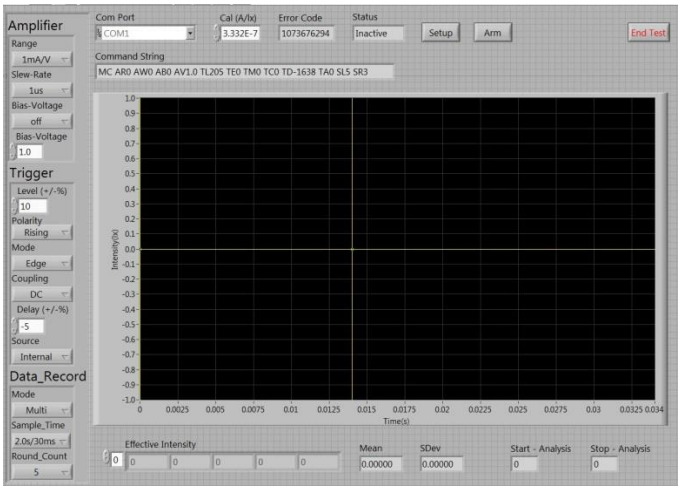
KIST Flash Measurement

Background: The Keep it Simple Technology Flash Measurement System was designed to fill a need in the small arms testing community. The quantitative measurement of muzzle flash has been a problem for test facilities for many years. A variety of techniques have been employed, including film cameras, digital cameras and light meters. These methods allow for the relative comparison of the size and intensity of the flash, but do not address the duration, nor do they allow for archival comparisons of the data in future tests. The KIST Flash Measurement System is built on a proven optometry system from the world leader in light measurement and the latest DSLR camera technology. In addition, the software allows for the direct comparison of single shot and burst fire from any caliber. All of the data is recorded in lx-s which reflects the optical response of the human eye. This data can be used to directly determine detection distance.

Flash System: The Flash Measurement System consists of the following components:

- TR 9600 Optometer
  - 10MSamples/s
  - 2MSample Buffer (4M Option)
  - RS232 or GPIB Control
- MD-37 Sensor
  - Photopic
  - Mesopic
  - IR
  - 20° Field of View
- DSLR x 2
  - Canon 70D
  - 20-85mm Lens
  - Remote Trigger
  - Automatic Data Storage
  - Automatic Data Analysis
- Control Software
  - Intuitive Design
  - Real Time Data
  - Single Shot and Burst Data

TR 9600



Flash Software

Keep it Simple Technology, LLC
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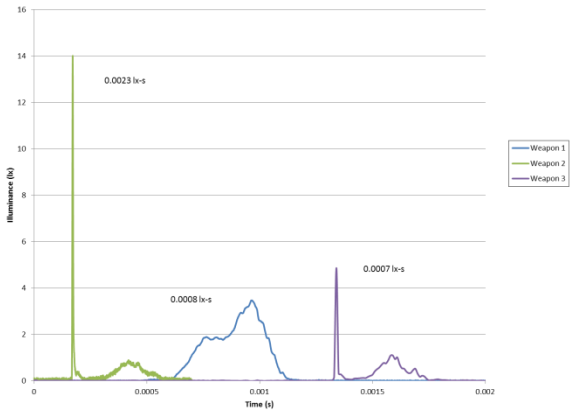

Flash Intensity Data

Flash Area Data

Please feel free to contact us for current pricing or with any other testing needs.

Common Sense, it's Not Complicated

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