

# Electronics Inc. Aero-Almen Gage

## Model TSP-3AA

- Hold-down block with four precision springs to prevent strip distortion
- Easy-to-read display
- .0001" (.001 mm) resolution
- SPC data port
- Convenient battery replacement
- Ergonomic design
- Meets requirements for SAE J442, SAE AMS 2432, AMS 2430, BAC 5730, MIL-S-13165C, AMS 13165
- One-year warranty
- Supplied with 50 premium-grade Aero-Almen aluminum strips
- Supplied with a Flat Check Block for zeroing the gage



The Electronics Inc. Aero-Almen Gage

## Description

The Electronics Inc. (EI) Aero-Almen gage\* is a precision device used to measure the blast intensity of aircraft paint stripping with abrasive media. This process must be carefully controlled to prevent damage to the thin aircraft skin. A test measures the blast intensity of the paint stripping process using an Aero-Almen strip—a test coupon made of aluminum. The test strip is blasted with the abrasive media and examined for curvature on the Aero-Almen Gage. Excess curvature, usually over .005", is an indication the blasting intensity may be detrimental to the aircraft skin and should be avoided.

The EI Aero-Almen gage has excellent repeatability due to its patented hold-down block—the four precision springs accurately hold the Aero-Almen aluminum strips in place without distortion. The base components are accurately placed and certified to meet all of the requirements of the Maintenance Engineering Order titled "General Specification for Removing Organic Coatings from Army Aircraft using Plastic Media Blasting (PMB)." The Aero-Almen gage has the same features as the EI #2 Almen gage including:

- .0001" (.001 mm) resolution. Meets SAE and aerospace specifications including SAE J 442 and AMS 2430.
- SPC data port. It's standard on every gage to allow direct data transfer to your computer.
- Computer Interface Device. Connects gage to computer USB port. (Available as an accessory.)
- Convenient battery replacement. The battery is easy-to-change and readily available. The gage will not lose information when you change the battery so there is no need to recalibrate the gage after battery replacement.
- One-year warranty and continued product support. Electronics Inc. provides technical support and calibration/repair services.
- "Certificate of Calibration" to J442 included.
- Qualifies to SAE AMS 2432D, Boeing BAC 5730, and AMS 2430. (AMS 2430 requires use of the end stops on the #2 Almen gage.)

\*US Patent 5,877,405



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Electronics Inc. reserves the right to make changes in product design or specifications without notice