

Aerospace Industry Success with TEGAM® Intrinsically Safe Bond Meters

Enhancing Aircraft Maintenance with Advanced Energy Solutions

INDUSTRY	SOLUTION	APPLICATION
Aerospace	720A Intrinsically Safe Bond Meters	Electrical and Mechanical Bond Testing

BACKGROUND

The aerospace sector demands rigorous standards for equipment reliability and safety. Electrical and mechanical bond testing on aircraft frames and grounding planes is a critical aspect of regular maintenance, ensuring that all connections remain secure and operational throughout an aircraft's lifecycle.

CHALLENGE

A major aerospace company identified a need to improve the efficiency and accuracy of its electrical and mechanical bond testing processes. Existing equipment was not meeting the evolving requirements for safety, speed, and reliability in operational environments.

SOLUTION

To address these requirements, the customer selected Advanced Energy's TEGAM 720A Intrinsically Safe Bond Meter Kit. The advanced handheld bond meter offers fast and precise measurements, enhancing maintenance operations. The comprehensive kit includes the bond meter, as well as:

- Two Kelvin probes
- Protective instrument cover
- Tilt stand and hanger strap
- Durable hard-shell storage/carry case
- Additional Kelvin clip probe sets for added test flexibility



RESULTS

The deployment of Advanced Energy's TEGAM Intrinsically Safe Bond Meters delivered measurable benefits:

- **Superior Accuracy and Performance:** The bond meters provided the precise measurements necessary to comply with stringent aerospace standards.
- **Exclusive features and functionality:** Advanced technology and unique features enabled fast and precise measurements, and as well as safety, speed, and reliability—setting the TEGAM meters apart from competing solutions.
- **Seamless Delivery and Ongoing Support:** Advanced Energy's established network ensured dependable delivery and comprehensive support.

CONCLUSION

By integrating Advanced Energy's TEGAM 720A Intrinsically Safe Bond Meter into their maintenance workflow, the aerospace company strengthened its testing capabilities. This strategic investment reinforced the organization's dedication to safety and operational excellence, helping maintain the highest standards in the aerospace industry.



For international contact information,
visit advancedenergy.com.

powersales@aei.com
productsupport.ep@aei.com
+1 888 412 7832

PRECISION | POWER | PERFORMANCE | TRUST

Specifications are subject to change without notice. Not responsible for errors or omissions.
©2025 Advanced Energy Industries, Inc. All rights reserved. Advanced Energy and AE are U.S.
trademarks of Advanced Energy Industries, Inc.