

Custom Bond Meter Solution for Aerospace Flight Line Operations

Meeting Specialized Testing Requirements with Innovation and Precision

INDUSTRY**Aerospace****SOLUTION****TEGAM 720A-KIT****APPLICATION****Aerospace Flight Line Operations****CHALLENGE**

An aerospace manufacturer's flight line team faced complex bond testing requirements for enhanced safety, precision, and accessibility. Their needs included:

- An intrinsically safe bond meter with highly accurate measurement capabilities
- Narrow-profile rounded-tip probe pins for delicate components
- Extended probes to reach restricted or difficult locations
- All equipment housed in a hard-shell case with a foam insert, compliant with Foreign Object Debris (FOD) standards

SOLUTION

The AE team proposed the TEGAM 720A-KIT Intrinsically Safe Bond Meter Kit, which delivers a comprehensive and customized solution.



The 720A-KIT offers:

- **Advanced Instrumentation:** This solution provides proven accuracy and compliance with safety requirements.
- **Custom Probe Design:** Engineers developed and manufactured new narrow-profile, rounded tip probe pins, tailored to the flight line team's needs, under a tight project timeline.
- **Extended Reach Capability:** AE engineers produced an extended probe using anti-static resin, ensuring it met intrinsic safety standards and enabled access to hard-to-reach test locations.
- **Optimized Storage:** A durable, hard-shell was rigorously tested and submitted for FOD approval. Once approved, a custom foam insert was designed to securely house all components.

THE BENEFITS

The 720A-KIT met the demanding operational needs of the manufacturer's aerospace team, ensuring accuracy and safety from the hangar to the field. It offers:

- **Convenience:** Ordering is streamlined by using a single part number, and all components are efficiently stored and transported.
- **Accessibility:** A unique probe set enables efficient testing in challenging locations without compromising safety or precision.
- **Efficiency:** The compact and lightweight design ensures comfort for all-day use, increasing productivity on the flight line.
- **Reliability:** This solution delivers premium performance supported by trusted engineering and an established brand.



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