

## Product Description

The model 720A, a portable, battery powered handheld bond meter and milli-ohmmeter, is an Intrinsically Safe instrument, which may be used in Non-Hazardous or Hazardous (Classified) locations.

## Hazardous Area Approvals



E506162

Ex ia



Class I, Division 1, Group D, T4  
Class I, Zone 0 AEx ia IIA T4 Ga  
Ex ia IIA T4 Ga  
-10 °C ≤ Ta ≤ +55 °C

Handheld Bond Meter for Hazardous Locations Only as to Intrinsic Safety



UL 21 ATEX 2549  
Ex ia IIA T4 Ga  
IECEX UL 21.0038  
-10 °C ≤ Ta ≤ +55 °C

## Applied Standards

The following Standards are applicable to this product:

- UL 913
- UL 60079-0, CSA C22.2 No. 60079-0
- UL 60079-11, CSA C22.2 No. 60079-11
- EN IEC 60079-0, IEC 60079-0
- EN 60079-11, IEC 60079-11

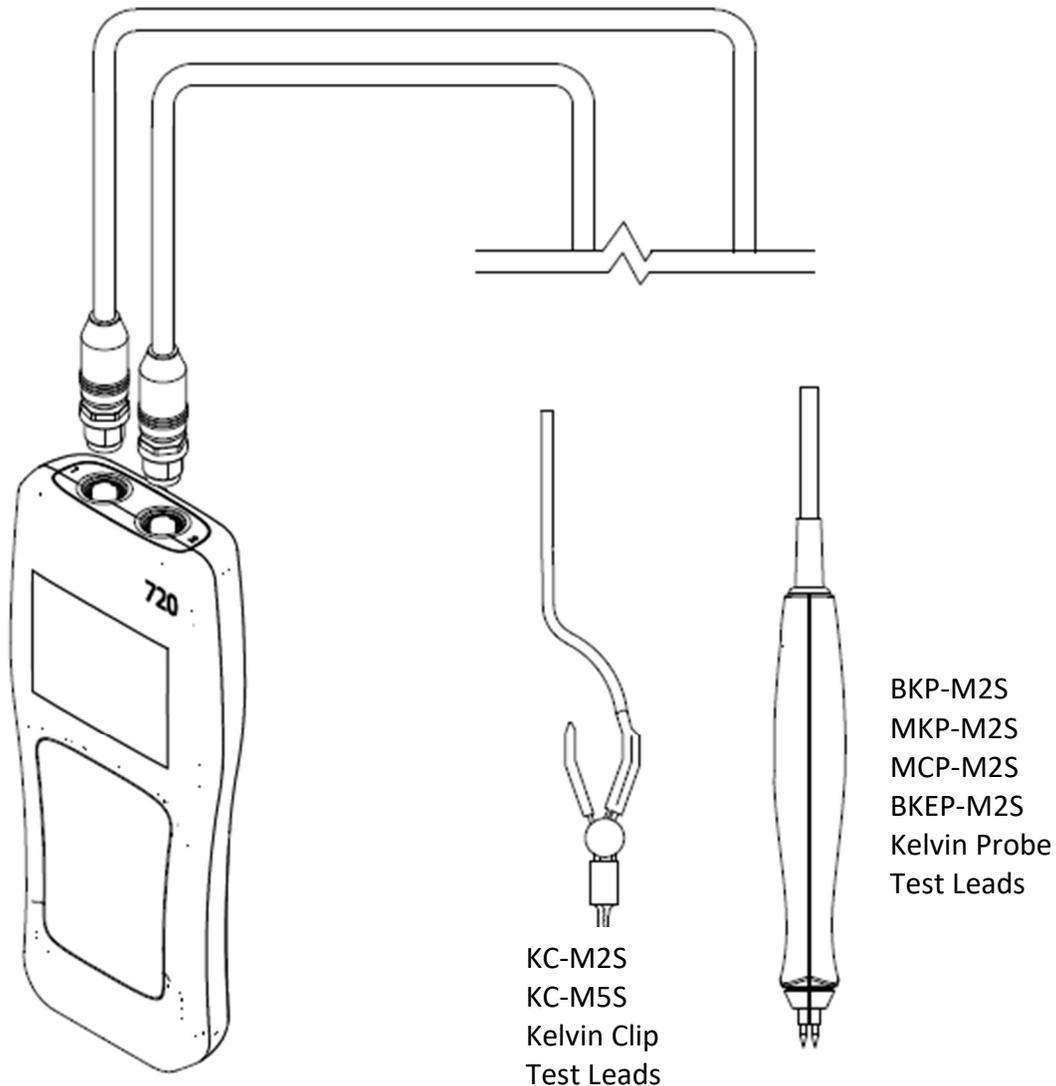
**NOTE: THIS IS AN AGENCY CONTROLLED OR SCHEDULE DOCUMENT. CHANGES MAY ONLY BE MADE WITH THE APPROVAL OF THE NOTIFIED BODY.**

## Typical 720A Bond Meter Connections

**⚠ ONLY THOSE CONNECTIONS SPECIFIED IN THIS DOCUMENT ARE PERMITTED. OTHER CONNECTIONS MAY INVALIDATE INTRINSIC SAFETY.**

The 720A may be used with any simple apparatus probe such as the Kelvin clip or Kelvin probe test lead combination shown. This may include two of the same test lead types. For further information refer to the TEGAM Operation (720A-900) or Safety Notices (720A-903) Manual.

### **Hazardous or Non-Hazardous Locations**



## 720A Bond Meter Accessories

Accessory parts for specific use with the 720A are available. These include an anti-static belt clip, tilt (kick) stand, sure grip cover, and carrying strap with hanging magnet. For further information refer to the TEGAM Operation (720A-900) or Safety Notices (720A-903) Manual.

### Notes

1. Observe the following product safety warnings:

These warnings are provided as informational and are not marked on the product. Refer to the 720A Safety Notices and Operation Manual for further detail.

**WARNING – EXPLOSION HAZARD** – To reduce the ignition risk of a flammable or explosive atmosphere, batteries must be changed in a location known to be non-hazardous.

**AVERTISSEMENT – RISQUE D’EXPLOSION** - Afin de réduire le risque d’allumage dans une atmosphère inflammable ou explosive, les batteries doivent être remplacées dans un endroit connu pour être non dangereux.

**WARNING – EXPLOSION HAZARD** – Batteries are part of the intrinsically safe system. Use only the specific battery type, manufacturer, and manufacturer’s part listed in the Manual. Use of other batteries could impair intrinsic safety. Batteries may not be mixed.

**AVERTISSEMENT – RISQUE D’EXPLOSION** - Les batteries font partie du système de sécurité intrinsèque. Utiliser uniquement le type et le modèle spécifique de batterie et les pièces du fabricant mentionnées dans le manuel. L’utilisation d’autres batteries pourrait affecter la sécurité intrinsèque.

**WARNING – EXPLOSION HAZARD** – Use only the probe types as listed in the manual. Use of other probe types could impair intrinsic safety.

**AVERTISSEMENT – RISQUE D’EXPLOSION** - Utiliser uniquement les types de sondes spécifiés dans le manuel. L’utilisation d’autres types de sondes pourrait affecter la sécurité intrinsèque.

**WARNING** – Substitution of components may impair intrinsic safety.

**AVERTISSEMENT** - La substitution de composants peut nuire à la sécurité intrinsèque.

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- 2. Connection may be made to surfaces intended for intrinsically safe applications.
- 3. Surfaces may be in a Division 1 or Zone 0 location if so approved.
- 4. The 720A Bond Meter and its probes, which are simple apparatus devices, should only be connected to non-energized surfaces. Failure to comply with this rule violates approval.
- 5. Protection of the operating personnel and the overall system is not ensured if the product is not being used according to its intended purposes.
- 6. There are no serviceable components in the 720A.

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There are no serviceable components in the 720A. <b>Revision Record</b>			
Revision	Date	ECO#	Summary of Changes
A	05/26/2021	6742	Released.
AB	9/10/2025	8214585	Changed to AE/TEGAM header. Re-organize Applied Standards listing. Add callout to accessory parts. Created Notes section with warnings placed there.