

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



Class I, Division 1, Group D, T4

Class I, Zone 0 AEx ia IIA T4 Ga

Zone 0 Ex ia IIA T4 Ga

Handheld Bond Meter for Hazardous Locations Only as to Intrinsic Safety



II 1 G Ex ia IIA T4 Ga

Ex ia IIA T4 Ga

UL 21 ATEX 2549

IECEX UL 21.0038

-10 °C ≤ Ta ≤ +55 °C

Applied Standards

The following Standards are applicable to this product:

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

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

UL/cUL, ATEX/IECEX Control Drawing 720-400

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Product 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.

ADVERTISSEMENT – 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.

ADVERTISSEMENT – 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.

ADVERTISSEMENT – 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.

Serviceable Components

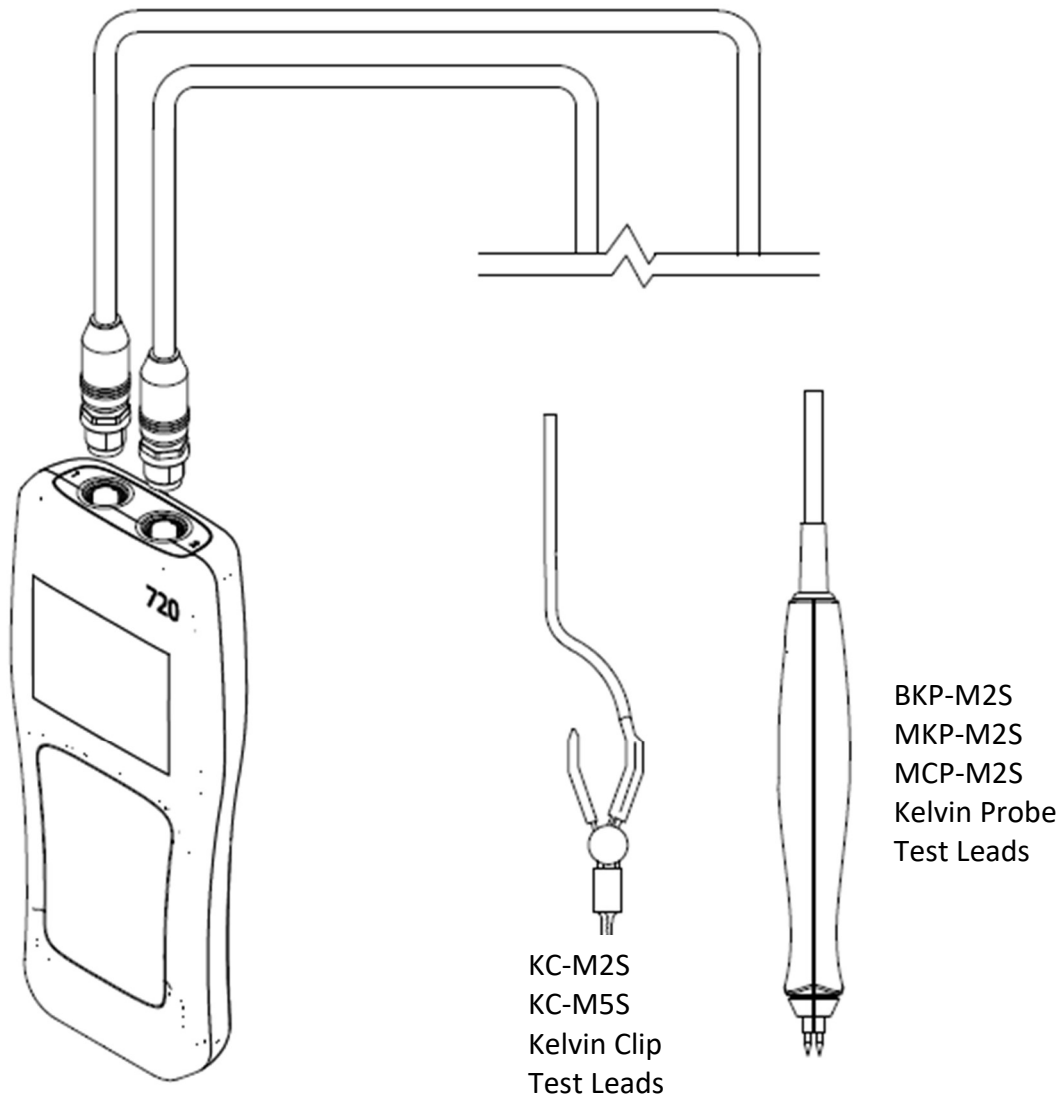
There are no serviceable components in the TEGAM 720A Handheld Bond Meter.

Typical 720 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 of the Kelvin clip or Kelvin probe test lead combinations shown. This may include two of the same test lead types. For further information refer to the TEGAM Operational (720A-900) or Safety Notices (720A-903) Manual.

Hazardous or Non-Hazardous Locations



Revision Record

| Revision | Date | ECO# | Summary of Changes |
|-----------------|-------------|-------------|---------------------------|
| A | 05/26/2021 | 6742 | Released. |
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