

**PROBE LEADS w/2 mm TIP & SAFETY CAP  
3900B SERIES**

- CT3987B



**CT3987B Pair of Probe Leads with 2 mm Tip & Safety Cap, User Guide**

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Made in Taiwan

**SYMBOLS AND TERMS**

The following symbols may appear on the product or in the documentation.



**Caution Symbol (ISO 7000-0434)** – Statements or instructions that must be consulted in order to find out the nature of the potential hazard and any actions which must be taken.

Ce symbole de mise en garde (ISO 7000-0434) – indique qu'il faut consulter les instructions afin de déterminer la nature du danger potentiel et déterminer toutes les mesures adaptées à prendre.

**CAUTION**

A statement calling attention to an operating procedure, practice, or condition, which if not followed correctly, could result in damage to or destruction of parts or the entire product.

**MISE EN GARDE**

Une mise en garde attire l'attention sur une procédure, une pratique ou une condition d'utilisation qui, si elles ne sont pas suivies correctement, pourraient endommager ou détruire une partie du produit ou le produit entier.

**WARNING**

A statement calling attention to an operation procedure, practice, or condition, which if not followed correctly, could result in injury or death to personnel.

**AVERTISSEMENT**

Un avertissement attire l'attention sur une procédure, pratique ou condition de fonctionnement qui, si elles ne sont pas suivies correctement, pourraient entraîner des blessures, voire la mort de l'utilisateur.

**DEFINITIONS**

**POLLUTION (P)** – addition of foreign matter solid, liquid or gaseous (ionized gases), that may produce a reduction of dielectric strength or surface resistivity.

- **Degree 2 (P2)** – only non-conductive pollution occurs except that occasionally a temporary conductivity caused by condensation is expected.

**MEASUREMENT CATEGORY (CAT)** – classification of testing and measuring circuit according to the type of mains circuits to which they are intended to be connected.

- **CAT II** – measuring circuits connected to utilization points of the low-voltage mains installation.
- **CAT III** – measuring circuits connected to distribution part of the building's low-voltage mains installation.
- **CAT IV** – measuring circuits connected at the source of the building's low-voltage mains installation.

## GENERAL SAFETY INFORMATION

- Safety is compromised if instructions are not read, understood, and followed.



**WARNING** Never exceed the maximum voltage, current, or measurement category of the probe and adapter assembly as configured for

**AVERTISSEMENT** Ne jamais dépasser la tension maximale, le courant, ou le catégorie de mesure de la sonde ou du produit assemblé.

- Disconnect from all devices and sources before attaching test leads or adapters.
- Check for damage before usage – Do not use if any part is damaged.
- Do not use in wet or explosive atmospheres.



**WARNING** Due to the high short-circuit currents which can be followed by high energy levels in measurement categories CAT III and CAT IV, measurements made within these locations are extremely dangerous. Great precautions shall be made to avoid any chance of a short-circuit.

**AVERTISSEMENT** Du fait des courants de court-circuit élevées qui se traduisent par des niveaux d'énergie élevés dans les catégories de mesure CAT III et CAT IV, les mesures faites dans ces conditions sont extrêmement dangereuses. Prendre toutes les précautions nécessaires pour éviter les courts-circuits.



**WARNING** The measurement category of a combination of the probe, test lead, and tip adapter is the lower of the assembled products.

**AVERTISSEMENT** La catégorie de mesure d'un produit constitué d'une sonde, d'un câble, d'un adaptateur, est la catégorie la plus faible d'un des composants du produit (sonde, câble ou adaptateur).

- If the probe assembly is used in a manner not specified by this user guide, the protections provided may be impaired.

**DESCRIPTION**

**CT3987B** is a black and red pair of CT3984B UL listed DMM Probe Leads featuring Ø2 x 19 mm long test tips and 4 mm sheathed banana plug connectors.

Kit Includes:

- **CT3983B-120** Probe Lead to 4 mm Right Angle Sheathed Banana Plug, 120 cm length, B/R Pair
- **CT3941B** Extended Tip Adapter, B/R Pair
- **CT3943B** Alligator Clip Adapter, B/R Pair
- **CT3945B** Spade Lug Adapter, B/R Pair
- **CT3947B** Sprung Hook Adapter, B/R Pair

The probe's tip is covered by a Locking Tip Cover which limits exposure to <4 mm for use in CAT III and IV environments. The tip cover can be removed to allow use as a test point or for attaching (optional) accessories.

- **CT3994B-8** Replacement Probe Tip Locking Cap

Lead wire is high stranded bare copper covered by highly flexible silicone jackets.

**SPECIFICATIONS**

|                        |  |
|------------------------|--|
| Voltage:               | 1000 V CAT III / 600 V CAT IV with Locking Tip Cover in-place<br>1000 V CAT II without Locking Tip Cover (removed) |
| Current:               | 10 A Max.  |
| Operating Temperature: | 5° C to 40° C; RH 80% Max.   |
| Storage Temperature:   | -10° C to 55° C  |
| Pollution Degree:      | P2   |
| Altitude:              | 2000 m   |

**SAFETY COMPLIANCE**

UL Listed per UL 61010-031:2015 (2nd Edition)

**CE COMPLIANCE**

Low-Voltage Directive (LVD) 2014/35/EU

Standard EN 61010-031:2015

Reduction of Hazardous Substances Directive (RoHS 2) 2011/65/EU + AMD 2015/863

ANNEX III Exemption 6(c)



## INSTRUCTION FOR USE

### Probe Lead Connection:

- Insert 4 mm sheathed banana plug connector into instrument's 4 mm sheathed jack, seating completely.

### Probing:

- Keep hands and fingers behind finger-guard during usage.

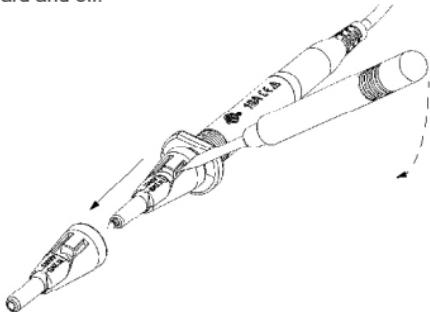
### Locking Tip Cover Removal:



**WARNING** Locking tip cover must be in place when probing in CAT III and CAT IV measurement categories.

**AVERTISSEMENT** L'embout de protection de la pointe doit être en place lors des mesures dans les catégories de mesure CAT III et CAT IV.

- Use small flat-blade screwdriver, or similar tool, to carefully lift locking tab and then slide cover forward and off.



**CAUTION** Do not use excessive lifting force on locking tab or permanent damage may result.

**MISE EN GARDE** Ne pas forcer en installant le dispositif de verrouillage, sinon vous pouvez l'endommager de manière permanente.

## CLEANING

Clean probe lead with cloth lightly moistened with water only. Dry thoroughly before use.

## ***INFORMATION***

If you have a need for technical or sales support, please contact us.

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