

FEV300-CON-TY1

Type 1 Plug for Test Adapter EV Charging

FEV300-CON-TY2

Type 2 Plug for Test Adapter EV Charging

Safety Information

Introduction

The FEV300-CON-TY1 and FEV300-CON-TY2 are high-quality accessories manufactured by FLUKE, which will enable you to perform repeatable measurements with the Fluke FEV300.

These accessories can be used in combination with other test equipment from Fluke such as the FEV300 that test function and safety of charging equipment for electric vehicles.

Safety Information

A **Warning** identifies conditions and procedures that are dangerous to the user. A **Caution** identifies conditions and procedures that can cause damage to the Product or the equipment under test.





Warning

To prevent the possibility of electric shock or personal injury:

- **Read all safety information before you use the Product.**
- **Do not alter the Product and use only as specified, or the protection supplied by the Product can be compromised.**
- **Carefully read all instructions.**
- **Do not use the Product if it operates incorrectly.**
- **Do not touch voltages >30 V ac rms, 42 V ac peak, or 60 V dc.**
- **Limit operation to the specified measurement category, voltage, or amperage ratings.**

- Do not exceed the Measurement Category (CAT) rating of the lowest-rated individual component of a Product, probe, or accessory.
- Comply with local and national safety codes. Use personal protective equipment (approved rubber gloves, face protection, and flame-resistant clothes) to prevent shock and arc blast injury where hazardous live conductors are exposed.
- Remove the input signal before you clean the Product.
- Do not use cable assembly there is damage. Examine the cable assembly for damaged insulation, exposed metal. Check cable assembly continuity.
- Measure a known voltage first to make sure that the Product operates correctly.
- Do not use the Product around explosive gas, vapor, or in damp or wet environments.
- Do not use the Product if it is altered or damaged.
- Do not use cable assembly if there is damage. Examine the cable assembly for damaged insulation and measure a known voltage.
- Only connect the Product to the instrument and the charging stations as indicated in the Specification section.
- Use the Product within the operating range only. The operating range is specified in the Specification section.

Symbols

Symbol	Description
	WARNING. RISK OF DANGER.
	WARNING. HAZARDOUS VOLTAGE. Risk of electric shock.
	Consult user documentation.
CAT II	Measurement Category II is applicable to test and measuring circuits connected directly to utilization points (socket outlets and similar points) of the low-voltage MAINS installation.
	This product complies with the WEEE Directive and its marking requirements. The affixed label indicates that you must not discard this electrical/electronic product in domestic household waste. Do not dispose of this product as unsorted municipal waste. For information about take-back and recycling programs available in your country, see the Fluke website.

Product Disposal

Dispose of the Product in a professional and environmentally appropriate manner:

- Delete personal data on the Product before disposal.
- Put the Product in the electrical waste.

Contact Fluke

Fluke Corporation operates worldwide. For local contact information, go to our website: www.fluke.com

To register your product, view, print, or download the latest manual or manual supplement, go to our website.

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Transport and Storage

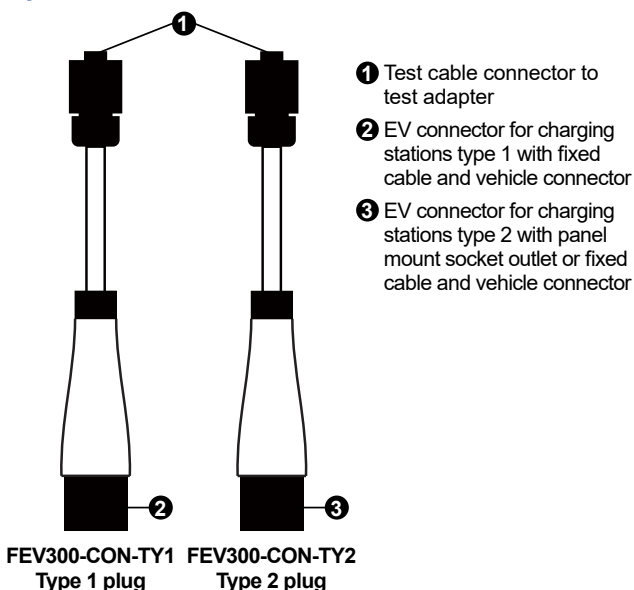
Please keep the original packaging for future transport (for example, if calibration is necessary). Any transport damage due to faulty packaging will be excluded from warranty claims.

The accessory must be stored in dry, closed areas. In case of an accessory being transported in extreme temperatures, a minimum recovery time of 2 hours is required prior to any operation.

Available Versions

- FEV300-CON-TY1 to be used with EV charging station type 1 with fixed cable and vehicle connector
- FEV300-CON-TY2 to be used with EV charging station type 2 with socket outlet or fixed cable and vehicle connector

Operation Elements and Connectors



How To Test

For operation please refer to instruction manual of the relevant test equipment to be used.

Maintenance

When using the test adapter in compliance with the user manual, no special maintenance is required. However, should functional errors occur during normal operation, the after-sales service will repair your instrument. Please contact the local service office.

Cleaning

Warning

- Remove all input signals and measurement circuits before you clean the Product.
- Never use acid-based detergents or solvent liquids for cleaning.
- After cleaning, do not use the Product until the Product is dried completely.

To clean the Product, use a wet cloth and a mild household detergent.

Specifications

General Features

Safety	IEC 61010-1, IEC 61010-2-030, pollution degree 2
Ratings	CAT II 300 V, max 10 A FEV300-CON-TY1: up to 250 V (single phase system), 50/60 Hz FEV300-CON-TY2: up to 480 V (three phase system), 50/60 Hz
Connectors	FEV300-CON-TY1 Type 1 plug: AC charging mode 3, suitable to IEC 62196-2 type 1 or SAE J1772 with vehicle connector (type 1, 5P single-phase) FEV300-CON-TY2 Type 2 plug: AC charging mode 3, suitable to IEC 62196-2 type 2 panel mount socket outlet or fixed cable and vehicle connector (type 2, 7P three-phase)
Operating temperature.....	-20 °C to 40 °C (-4 °F to 104 °F)
Storage temperature	-20 °C to 50 °C (-4 °F to 122 °F)
Operating humidity range.....	10 % to 85 % relative humidity non-condensing
Storage relative humidity	0 % to 85 % non-condensing
Operating altitude.....	2000 m (6561 ft) max.
Length	Approx. 590 mm (23.2 in) including connectors
Weight	Approx. 550 g (1.2 lb)

LIMITED WARRANTY AND LIMITATION OF LIABILITY

Each Fluke product is warranted to be free from defects in material and workmanship under normal use and service. The warranty period is one year and begins on the date of shipment. Parts, product repairs, and services are warranted for 90 days. This warranty extends only to the original buyer or end-user customer of a Fluke authorized reseller, and does not apply to fuses, disposable batteries, or to any product which, in Fluke's opinion, has been misused, altered, neglected, contaminated, or damaged by accident or abnormal conditions of operation or handling. Fluke warrants that software will operate substantially in accordance with its functional specifications for 90 days and that it has been properly recorded on non-defective media. Fluke does not warrant that software will be error free or operate without interruption.

Fluke authorized resellers shall extend this warranty on new and unused products to end-user customers only but have no authority to extend a greater or different warranty on behalf of Fluke. Warranty support is available only if product is purchased through a Fluke authorized sales outlet or Buyer has paid the applicable international price. Fluke reserves the right to invoice Buyer for importation costs of repair/replacement parts when product purchased in one country is submitted for repair in another country.

Fluke's warranty obligation is limited, at Fluke's option, to refund of the purchase price, free of charge repair, or replacement of a defective product which is returned to a Fluke authorized service center within the warranty period.

To obtain warranty service, contact your nearest Fluke authorized service center to obtain return authorization information, then send the product to that service center, with a description of the difficulty, postage and insurance prepaid (FOB Destination). Fluke assumes no risk for damage in transit. Following warranty repair, the product will be returned to Buyer, transportation prepaid (FOB Destination). If Fluke determines that failure was caused by neglect, misuse, contamination, alteration, accident, or abnormal condition of operation or handling, including overvoltage failures caused by use outside of the product's specified rating, or normal wear and tear of mechanical components, Fluke will provide an estimate of repair costs and obtain authorization before commencing the work. Following repair, the product will be returned to the Buyer transportation prepaid and the Buyer will be billed for the repair and return transportation charges (FOB Shipping Point).

THIS WARRANTY IS BUYER'S SOLE AND EXCLUSIVE REMEDY AND IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. FLUKE SHALL NOT BE LIABLE FOR ANY SPECIAL, INDIRECT, INCIDENTAL, OR CONSEQUENTIAL DAMAGES OR LOSSES, INCLUDING LOSS OF DATA, ARISING FROM ANY CAUSE OR THEORY.

Since some countries or states do not allow limitation of the term of an implied warranty, or exclusion or limitation of incidental or consequential damages, the limitations and exclusions of this warranty may not apply to every buyer. If any provision of this Warranty is held invalid or unenforceable by a court or other decision-maker of competent jurisdiction, such holding will not affect the validity or enforceability of any other provision.

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