

Photovoltaic Test Lead Kit

CT4490



Description:

The CT4490 is a convenient and complete kit that provides all the necessary test leads to make a variety of different measurements on photovoltaic systems. Intended to be used with instruments featuring sheathed 4 mm banana jacks, each lead is specifically designed to directly connect to the PV panel for crucial measurements. The included CT4486 (MC4 female to 4 mm banana plug) and CT4487 (MC4 male to 4 mm banana plug) leads can be used to easily measure open-circuit voltage and short-circuit current on PV panels. The CT4488 (MC4 female breakout to MC4 male and 4 mm banana plug leads) and CT4489 (MC4 male breakout to MC4 female and 4 mm banana plug leads) tests in circuit operating voltage and current in a single set up. The CT4491 (MC4 male to MC4 female leads) and CT4502 (Alligator clip set) are included to provide connection flexibility. Every piece included in this kit has a 1500 VDC CAT III rating for a safe, easy, and secure usage.

See page 2 for example connection configurations.

For additional product information, cross-references, or other test accessory information, visit www.caltestelectronics.com.

CT4490 Kit:



CAUTION: Do not use as permanent installation.

Specifications and appearance subject to change without notice
www.caltestelectronics.com

Features:

- Complete PV accessory kit for testing and maintenance
- IEC 61010-031 Safety rated
- MC4 to 4 mm banana plug lead assemblies
- Double insulated PVC wire
- CE and RoHS 2 compliant

CT4490 Includes:

- MC4 Female to 4 mm Banana Plug Leads: CT4486
- MC4 Male to 4 mm Banana Plug Leads: CT4487
- MC4 Female Breakout to MC4 Male and 4 mm Banana Plug Leads: CT4488
- MC4 Male Breakout to MC4 Female and 4 mm Banana Plug Leads: CT4489
- Test Lead Extension MC4 Male to MC4 Female Leads: CT4491 (2)
- Alligator Clip Set: CT4502

Specifications:

- Voltage Rating: 1500 VDC CAT III
- Max Current: 20 A (Alligator Clips)
36 A (Test Leads)
- Wire: PVC Jacket 13 AWG (2.50 mm²), Stranded Bare Copper
- Body: Polypropylene (4 mm plug), Polyphenylene Oxide (MC4), Polybutylene Terephthalate (Alligator Clips)
- Contact: BeCu, Nickel Plated (4 mm plug), AuNi Plated (MC4), Steel, Nickel Plated (Alligator Clips)
- Working Temperature: -20°C to +80°C

CT4490: Measurement Test Connection

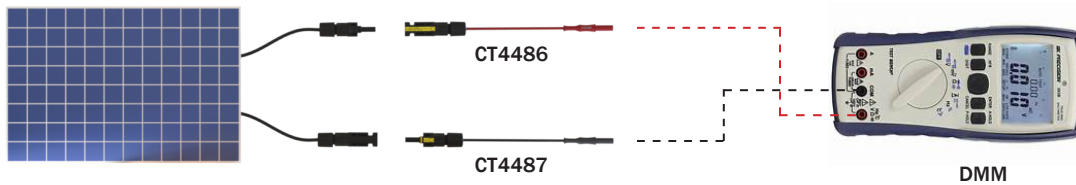
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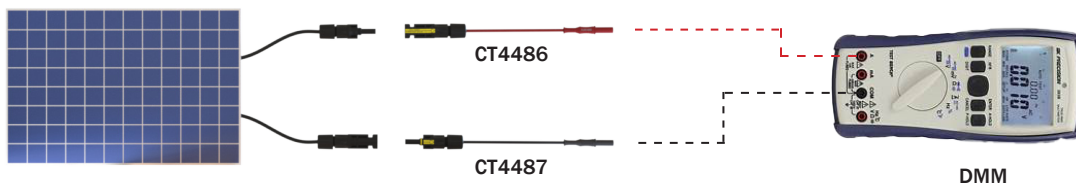
Open-Circuit Voltage and Closed-Circuit Current:

The included CT4486 and CT4487 test leads can be used to easily measure open-circuit voltage and short-circuit current.

Open-Circuit Voltage



Closed-Circuit Current

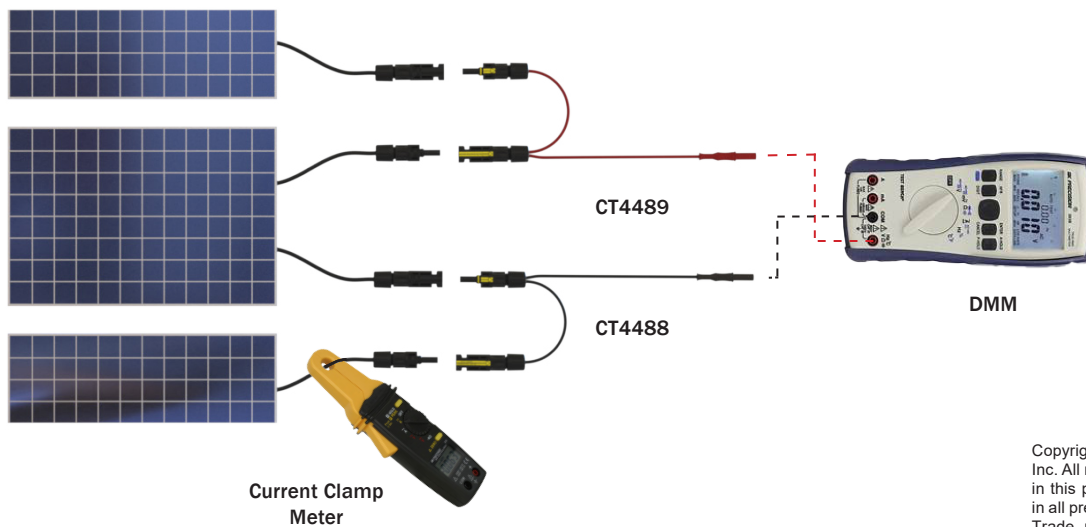


Operating Voltage and Operating Current:

With CT4488 and CT4489, the operating voltage and operating current can both conveniently be measured with a single test set up.

WARNING: Do not disconnect under load.

CAUTION: For test and measurement purposes only, MC4 female locking clips intentionally removed. Do not use as permanent installation.



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