

FLUKE.

TRANSCAT®

800-828-1470 | [sales@transcat.com](mailto:sales@transcat.com)

Fluke. Keeping your world up and running.™



Purchase this qualifying product and receive TLPV2 for free.

Valid through December 31, 2026.

FLUKE.

The TLPV2 enables safe, in-line voltage measurements on energized PV strings, helping technicians commission, troubleshoot, and verify system performance without interrupting operation. Complete the applicable step below to receive a free TLPV2 test lead set, a \$225.99 value, with your qualifying Fluke solar instrument purchase.

Two paths — choose yours:

Path A: Purchase a qualifying product and get a free lead set

- 1. Purchase any qualifying Fluke solar instrument.
- 2. Receive eligibility for a free TLPV2 test lead kit.
- 3. Return to this page and submit your claim.

Shop Qualifying Products

Path B: Redeem a free test lead set if you already purchased a qualifying product

- 1. Complete the registration form below.
- 2. Email your proof of purchase.

Receive your free TLPV2 test lead set.

Claim Your TLPV2

Why solar professionals want the TLPV2

Measuring operating voltage on a PV array with standard test leads can be difficult. Because the system must remain energized, shutting it down is not an option, and traditional measurement points can be hard to access safely. The TLPV2 changes that.

The problem with standard leads on PV systems

- Standard test leads require direct probe contact — risky on live combiner boxes and inverters.
- Making measurements on energized 1500V arrays with general-purpose leads introduces significant risk.
- Limited access and awkward probe angles can make it harder to maintain secure contact during testing.

What the TLPV2 enables

- Measure operating voltage on live solar strings — safely, in-line with the circuit.
- Perform string Voc checks and performance diagnostics without opening the combiner box or inverter.
- Access measurement points on energized systems where standard probes are not practical.

Real-world applications for field technicians

String Performance Verification

Check string operating voltage during peak generation hours — without interrupting production. Identify underperforming strings before they become recurring problems.

Ongoing O&M Troubleshooting

Support faster root-cause analysis during O&M visits by enabling voltage measurements at the string level on operating arrays — reducing diagnostic time and return visits.

Commissioning Diagnostics

Pair with the FLK-SMFT-1000 to capture IV curves and validate Voc, Isc, and Pmax during initial commissioning.

Ground Fault Investigation

Work alongside the Fluke-GFL-1500 on live 1500V arrays to locate ground faults and verify isolation without a full system shutdown.

Qualifying Instruments — Purchase to Receive Your Free TLPV2

FLUKE-393FC True-RMS Clamp Meter

The only first CAT III 1500V clamp meter built for safe, precise measurements on energized solar arrays.

- Measures AC/DC current up to 1000A on live PV strings
- CAT III 1500V rated — designed for high-voltage solar environments
- Pairs with TLPV2 for in-line string voltage measurement

FLK-SMFT-1000 Solar Multifunction Tester

All-in-one commissioning and O&M diagnostics for PV installations.

- Measures Voc, Isc, and full IV curves on solar strings
- Integrated irradiance and temperature sensors for accurate STC correction
- TLPV2 extends its reach to operating voltage measurements at commissioning and during O&M.

FLUKE-PVA-1500HE2 Solar Analyzer

Comprehensive IV curve tracing and system performance analysis — up to 1500V.

- Full IV curve characterization to identify underperforming strings
- Supports both commissioning verification and ongoing performance monitoring
- TLPV2 enables safe, reliable probe contact on energized arrays during testing

Fluke GFL-1500 Ground Fault Locator

Locate ground faults on operating PV systems — without shutting down the array.

- Identifies ground fault location on live 1500V DC systems
- Eliminates the need for full system shutdown during fault investigation
- TLPV2 supports voltage verification at string level alongside GFL diagnostics

Full List of Qualifying Products

| Product Name                                                                                                                                                                                                                       | Part Number |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| 393FC Clamp Meter Family                                                                                                                                                                                                           |             |
| Fluke 393 FC Solar Clamp Meter CAT III 1500 V                                                                                                   | 5274864     |
| Fluke 393 with Solar Irradiance Meter and TLPV Test Leads                                                                                       | 5022112     |
| Fluke 393 FC Solar Clamp Meter and TLPV1 MC4 Test Leads                                                                                         | 5591280     |
| Solar Tools Kit with 393 FC Clamp Meter, Irradiance Meter and TLPV1 Test Leads                                                                  | 5116091     |
| Solar Tools Kit With 393 FC Clamp Meter, Irradiance Meter and Solar Test Leads                                                                  | 5337401     |
| Solar Tools Kit with 393 FC Clamp Meter and Solar Test Leads                                                                                    | 5337394     |
| SMFT Solar Multifunction Testers                                                                                                                                                                                                   |             |
| SMFT-1000 Solar Tools Pro Kit: Fluke Multifunction PV Tester, I-V Curve Tracer with TruTest                                                     | 5416417     |
| SMFT-1000 Solar Tools Kit: Fluke Multifunction PV Tester and Performance Analyzer, I-V Curve Tracer                                             | 5280005     |
| PVA Solar Analyzers & Kits                                                                                                                                                                                                         |             |
| PVA-1500 Series PV Analyzer, I-V Curve Tracer                                                                                                   | 5600010     |
| PVA-1500HE2 I-V Curve Tracer, Clamp and Multimeter Kit                                                                                          | 5602269     |
| PVA-1500HE2 I-V Curve Tracer and 1537 Insulation Tester 2500V Kit                                                                               | 5602284     |
| PVA-1500HE2 I-V Curve Tracer Thermography Kit                                                                                                   | 5610654     |
| PVA-1500HE2 I-V Curve Tracer, Insulation, Clamp and Multimeter Kit                                                                              | 5602278     |
| Solar Tools Kit with PVA-1500HE2 PV Analyzer, 1537 Insulation Resistance Tester and 283 FC/PV Solar Digital Multimeter, Wireless Current Clamp  | 5116129     |
| GFL Ground Fault Locators                                                                                                                                                                                                          |             |
| Solar Tools Kit with GFL-1500 Solar Ground Fault Locator and 283 FC/PV Solar Digital Multimeter, Wireless Current Clamp                         | 5116164     |
| Solar Tools Kit with 1537 Insulation Resistance Tester and 283 FC/PV Solar Digital Multimeter, Wireless Current Clamp                           | 5116117     |
| Fluke GFL-1500 Solar Ground Fault Locator                                                                                                       | 5021723     |
| Solar Tools Kit with GFL-1500 Solar Ground Fault Locator and 393 FC Clamp Meter                                                                 | 5116070     |

Eligibility Requirements

- U.S. and Canada only
- End users only — not for resellers or distributors
- Qualifying Fluke product purchase required (see list above)
- Promotion period: 7/1/2025 — 12/31/2026
- Limited to 800 total units — first-come, first-served

Fluke reserves the right to verify purchase eligibility prior to fulfillment.

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Trust in every measure

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