

Di-LOG
...measurably better

ALVA
Series MFT



The next generation of Installation Multifunction Tester



www.dilog.co.uk



ALVA Series MFT



Di-LOG
...measurably better

Introducing the NEW Di-LOG ALVA Series Multifunction Tester - Next-Generation Electrical Testing.

Designed for 18th Edition compliance, the ALVA Series MFT combines precision, automation, and cutting-edge technology for seamless electrical testing. Its full-colour TFT screen and intuitive ALVA UI enhance usability with pass/fail settings, on-screen guidance, and RCD support (Type: AC, A, F, EV B & B+).

Enjoy effortless Auto Start Intelligent Loop with smart 2/3-wire auto-selection for High Current and 200mA Earth Continuity—tests start automatically, saving time. *NiMH rechargeable batteries with built-in charging keep you ready for any job.

The ALVA MFT Pro elevates functionality with Rmax (Maximum R2/R1+R2), Zmax (Maximum Zs), and Imax (Maximum PSC on a three-phase supply). EV installers benefit from the automated EVSE verification sequence, combining Non-Trip Earth Loop, 6mA RDC-MD/PD, and 30mA AC and voltage verification tests for reliable EV charger assessments.

Additional features, such as Earth Resistance measurement (optional kit) and results memory storage, support professional installation certification.

With BS EN 61557 compliance, the ALVA Series MFT sets a new benchmark in testing accuracy and efficiency.



ALVA Concept

Di-LOG ALVA Series Multifunction Installation Tester (MFT) is to provide electricians with a high-performance, next-generation testing solution that streamlines electrical inspections while ensuring compliance with 18th Edition regulations and affordability.

ALVA Innovation

- Full-Colour TFT Screen
- Automated Test Sequences
- Expanded RCD Testing
- Intelligent 2/3 Wire High-Current Loop Detection
- Earth Resistance Measurement (ALVA Pro)
 - Memory (ALVA Pro)

“What is ALVA? The name Alva pays credit to the inventor Thomas Alva Edison known for pioneering advancements in electrical technology. Often called the “Wizard of Menlo Park,” he held over 1,000 patents, including inventions like the phonograph, incandescent light bulb, and motion picture camera.”

ALVA Support

The optional ALVA Support Package provides comprehensive protection for your tester, offering 5 years of calibration, service, software updates, repairs, replacement test leads, and discounted accidental damage fixed rate repair - ensuring reliability and peace of mind.

ALVA Promise

We go beyond providing advanced testing equipment. We ensure reliability, innovation, and exceptional service. The ALVA Series MFT guarantees precision, ease-of-use and compliance, backed by quality assurance for efficiency, accuracy and safety.



www.dilog.co.uk/ALVA

*Rechargeable batteries optional on ALVA MFT



ALVA MFT

The DI-LOG ALVA MFT is a high-precision multifunction tester designed for professional electricians. Its full-colour TFT display ensures clear navigation, while automated testing simplifies continuity, loop impedance, and RCD assessments. Supporting AC, A, F, EV, B, & B+ RCD types, it enhances fault-finding accuracy. Advanced non-trip loop technology and intelligent 2/3-wire loop detection make troubleshooting effortless.

The rechargeable *NiMH battery system extends usage while minimising downtime. Customisable RCD test settings, insulation resistance testing, and integrated fuse tables ensure compliance. With on-screen guidance and an intuitive interface, it's a must-have for reliable electrical testing.

ALVA MFT Key Features:

- Full-Colour TFT Display - High-contrast screen with interactive pass/fail parameters.
- Automated Testing - Continuity & Earth Loop Auto Start for recorded results.
- Intelligent Loop Detection - Auto-identifies 2-wire or 3-wire configurations.
- Dynamic Non-Trip Loop Technology - High-accuracy Earth Loop testing with the new RCD-LOC+.
- Full range RCD Type Support - AC, A, F, EV, B and B+ General and Selective for fault-finding precision.
- 6mA RDC-PD/MD, catering to a wide range of installations, including EV chargers. (adaptor req'd)
- Customisable RCD Testing - Adjustable mA settings for tailored diagnostics.
- 1000V Insulation Testing with Bargraph with selectable test voltages with pass/fail settings.
- Three-Phase Line-Line Impedance including dynamic phase rotation indication.
- Rechargeable NiMH Battery System for extended battery life and in-built charging (*accessory required).
- On-Screen Help Guidance with visual aids.



ALVA MFT Pro

The DI-LOG ALVA MFT Pro is a state-of-the-art multifunction tester, engineered for professional electricians seeking precision, efficiency, and reliability in electrical safety assessments. Boasting a vibrant full-color TFT display, intuitive navigation, and automated test functions, it streamlines the process of evaluating RCD types, continuity, loop impedance, and Earth resistance with uncompromising accuracy.

With its advanced Auto EV Test Sequence, the ALVA MFT Pro simplifies the verification of electric vehicle charging points by automating critical testing procedures, ensuring compliance with industry regulations without manual intervention.

ALVA MFT Pro Additional Key Features:

- Data storage memory for standard 1000 results with downloadable data viewing package.
 - EV Auto Test Sequence: Automates EV charger verification, incorporating Earth Loop Test, RDC-PD/MD Test, AC RCD Test, Ramp Test, and Voltage Verification in a streamlined workflow. (adaptor required)
 - Zmax and Imax Tracking: Records maximum Earth Loop Impedance and Perspective Short Circuit Current (PSC), ensuring precise electrical safety assessments.
 - 6 x NiMH standard 2100 mAh NiMH rechargeable batteries and MFT charge adaptor included.
 - 7mA continuity testing, making it ideal for motor windings and inductive loads.
 - 1A RCD testing for industrial Testing Applications
 - Earth Resistance Testing: Supports 3 or 4 pole methods with **optional accessory** kit for comprehensive ground integrity testing.
- *TLERT3/4 - Optional ALVA 3/4 wire Earth Resistance Testing Kit for the ALVA MFT Pro.**

*requires optional ALVABAT2

Di-LOG ALVA EV Series - The Ultimate EV Testing Solution

The Di-LOG ALVA EV Series has been designed for electricians working on Electric Vehicle Supply Equipment (EVSE) in accordance with BS 7671 and the IET Code of Practice. Featuring the **ALVA MFT EV** and **ALVA MFT Pro EV**, this specialist range delivers practical tools for reliable EV charger and electrical installation testing. Both models include full-colour TFT displays, advanced loop and RCD functions, and 6mA RDC-PD/MD compatibility, ensuring compliant, accurate results across diverse site conditions.

The **ALVA MFT EV**, paired with the compact **DLEVLite** adaptor, provides an efficient, accessible solution for verifying EV charge point operation and wiring configurations. It supports all major RCD types (AC, A, B, B+, F), includes intelligent loop detection, and enables 6mA RDC testing, making it ideal for domestic charger installation and inspection work.

The advanced **ALVA MFT Pro EV** offers greater functionality when combined with the versatile **DLEV1** adaptor, which enables CP signal checks, load simulation, and PE fault testing. With added features like EV Auto Test Sequences, Zmax/Imax recording, 1A RCD and 15mA continuity testing, plus memory for up to 1,000 results, it's the go-to solution for contractors managing more complex or high-volume EV installations.

ALVA MFT Pro EV



ALVA MFT EV

The Di-LOG ALVA MFT EV Test Kit - designed for comprehensive electrical installation testing and Mode 3 EVSE verification using the integrated Type 2 EV charging plug.

Kit Contents:

- ALVA MFT Installation Tester
- DLEVLite EVSE Adaptor Plug



ALVA MFT Pro EV

The Di-LOG ALVA MFT Pro EV Test Kit - designed for advanced electrical installation testing and Mode 3 EVSE verification, supplied with both Type 1 and Type 2 EV charging plug adaptors.

Kit Contents:

- ALVA MFT Pro Installation Tester
- DLEV1 EVSE Adaptor Kit

ALVA MFT Support

Unlock Unmatched Support for Your ALVA MFT

For the first time in the industry, Di-LOG introduces the ALVA Support package, an exclusive service designed to give you complete confidence in your inspection and testing process.

With up to 5 years of comprehensive support, you'll enjoy total peace of mind knowing your ALVA MFT is backed by expert assistance whenever you need it.

Choose the convenience of a one-off payment or spread the cost over 12 months, whichever works best for you. No surprises, no worries—just uninterrupted performance and reliability.

ALVA CALIBRATION - Annual **5-Year** Calibration including a full product service and an update to the latest firmware. Our service team will aim to have your ALVA MFT returned within 72 hours.

ALVA WARRANTY - **5-Year** Parts and Labour warranty, giving you complete peace of mind that you will be fully covered if your product develops a fault.

ALVA TEST LEADS - Maintaining Accuracy revealing replacement 3-wire test leads automatically on year-2 and year-4 as part of your support package.

ALVA ACCIDENT - Peace of Mind if you have an accident or make a mistake. A reduced fixed accidental damage fee of £175.00 +VAT to get you back up and running.

Terms and conditions apply

Secure your ALVA Support package today and experience inspection and testing made effortless

www.dilog/alva-support





DLEVLite

The **DLEVLite** is a compact EVSE adaptor designed for quick, reliable checks of Mode 3 EV charge points. It simulates EV presence and verifies basic charger function and wiring.

Key Features:

- Type 2 Plug Interface - Quick connection to standard charge points
- CP Signal Simulation - Confirms charger response
- Lightweight & Portable - Ideal for on-the-go EVSE checks



DLEV1

The **DLEV1** is a premium EVSE adaptor built for thorough testing of Mode 3 EV charge points. It simulates vehicle presence and enables advanced diagnostics including load and fault simulation for in-depth EV charger analysis.

Key Features:

- Type 1 & Type 2 Plug Interfaces - Compatible with a wide range of EV charge points
- Load & PE Fault Simulation - Tests charger response under real-world fault and load conditions
- CP Signal Monitoring - Enables detailed analysis of charging communication signals

ALVA Accessories

ALVARP

Remote Test Probe
for ALVA Series MFT

TLERT3

3-Pole Earth
Resistance Kit - ALVA Pro MFT
Includes:

- 20M Red, 20M Blue & 5M Green
- 2 x Metal Earth Stakes



TLERT4

4-Pole Earth
Resistance Kit - ALVA Pro MFT
Includes:

- 20M Red, 20M Blue 20M Black & 5M Green
- 3 x Metal Earth Stakes

ALVABAT2

High capacity battery
2800mAh Battery Kit & MFT Adaptor
Includes:

- 6 x AA 2800mAh NiMH Batteries
- External Battery Charger
- MFT Mains Plug Adaptor



ALVA Series MFT

Features	ALVA MFT	ALVA MFT Pro
New RCD-LOC+	✓	✓
TFT Colour LCD Screen	✓	✓
Auto Start Loop & Continuity	✓	✓
7mA/200mA Selectable Current	200mA	✓
R Max (Max R1+R2/R2 recording)		✓
*Earth Resistance Re/Ro 3/4-wire		✓
Continuity Range	0.01 - 2000Ω	0.01 - 2000Ω
Insulation Test	50/100/ 250V/500V/1000V	50/100/ 250V/500V/1000V
Auto Start PFC/PSC (L-PE/L-N)	✓	✓
Loop/I _{PFC} Test (Non-Trip)	✓	✓
Loop/I _{PFC} 2 & 3 Wire Intelligent Auto Sense (High-current)	✓	✓
Phase - Phase Line Test (L-L)	✓	✓
Z Max (Max Z Loop Recording)		✓
I Max (Max PSC Recording)		✓
RCD Test - Type AC, A, B, B+ & F (General & Selective)	✓	✓
6mA RDC-PD/MD (10s Test)	✓	✓
Auto RCD Test	✓	✓
Auto EV Loop, RCD-PD/MD Trip Time/Trip Current Test Sequence		✓
Variable RCD Test	✓	✓
RCD Ramp Test	✓	✓
Phase Rotation & Phase Voltage	✓	✓
Voltage 550V (L-N/L-PE)	✓	✓
Intuitive ALVA UI (User Interface)	✓	✓
Memory Download (1000 tests)		✓
Remote Probe	Optional	✓
Intelligent Full Range Protection	✓	✓
NiMH Batteries and MFT Adaptor	Optional	✓
NEW EVA Hard Shell Carry Case	✓	✓
Full UKAS Calibration Certificate	✓	✓
**Warranty Extendable to 5 Years	✓	✓

*Requires Optional ERT Accessory | **Requires ALVA Support Package.