



ELIT MPI-540

Installation tester



Complete installation tester with auto test and 3-phase mains quality analyzer class S.

Technical description

ELIT MPI-540 is designed for use in both industrial and residential installations. The combinations of measuring functions in the instrument make it possible to control both the quality of the electricity and the safety of the electrical system. Automatic test sequences are pre-programmed and can also be programmed at the request of the user.

Final control functions: Short-circuit measurement, earth-fault circuit breaker test, isolation zone measurement, continuity measurement, earth plate / earth resistance measurement, phase rotation measurement and brightness / Lux (option)

Mains quality functions: Voltage, current, frequency, power, power factor and cos ϕ , harmonic, total harmonic distortion, waveforms and current waveforms (oscilloscope), phase diagram

Easy reading: The market's largest touch screen of 7" with 800x480 pixels resolution provides clearer and better information, as well as the possibility of direct analysis and plotting of waveforms.

Help in the field: Built-in help menus provide clear images with color code on wires and connections for quick measurement correctly.

Dust and water protection: Dustproof IP51 enclosure for use in all environments, built-in cover for extra protection of screen during transport.

A multitude of possibilities for communication: Data can be transferred via USB, Bluetooth, Wifi or by physically removing the SD card where the data is stored. For fast report generation of final control measurements, included software Sonel Reader is used (Advanced software Sonel Reports Plus as an option) Also included is Sonel Analysis 4 software for analysis and report generation of network quality parameters with e.g. automatic voltage quality report according to EN50160.



Advantages:

Product name/ Art.nr/ GTIN	ELIT MPI-540/ 10150011/ 7070811211721
According to:	---
Indication	Graphic
Limit value indication	Yes
Isolation resistance measurement	Yes
Isolation resistance measurement with ramp function	No
Resistances of isolating floors and walls	Yes
Over voltage protector testing	No
Low resistance measurement	Yes
Low resistance measurement with ramp function	No
Earthing measurement	Yes
Selective grounding measurement	Yes
Earth loop measurement	Yes
Specific grounding measurement	Yes
Loop resistance/impedance measurement	Yes
Loop measurement without RCD/FI release	Yes
Mains internal resistance measurement	No
Detection short-circuit current/overcurrent protection	No
RCD/FI testing	Yes
Curve shape at RCD/FI testing	For earth leakage switch type A, F and type B, B+
RCD/FI testing with rising residual current	Yes
RCD/FI analysis function	No

PRCD testing type S, type K	No
Testing of IMDs and RCMs	No
Measuring of leakage currents with adapter	No
Testing of charging devices E-Mobility, simulation of vehicle status	No
Field rotation test	Yes
Structured measured value memory	Yes
Measured value memory	Yes
Interface	Yes
Printer connection	No
Printer integrated	No
Remote control for testing device	No