



Instaltest 61557

- **Multifunction, digital measuring instrument for low voltage installation safety testing suitable for inspections, maintenance and troubleshooting.**
- Complete range of test functions in accordance with IEC / EN 61557: DC insulation resistance measurement, PE conductor continuity, Loop and Line resistance, RCD test and phase sequence in 3-phase systems.
- Additional features: illumination measurement, varistor test, frequency, contact voltage, under wall installation tracing, fuse locating.
- Internal memory with a capability to store up 1000 test results that can later be transferred to a personal computer.
- Software package InstalLink compatible with MS Windows operation systems allows download of test results from the instrument to a personal computer. Handy tool for creating test reports.

Measurements and testing in accordance with: DIN / VDE 0100; BS 7671, 16th Edition; CEI 64.8; HD 384; EN / IEC 61557; DIN / VDE 0413; EN 61010-1; EN 50081-1; EN 50082-1

SINGLE FUNCTION TESTS



Technical Specification

Peak Current
 Display range: 5 ÷ 280 A
 Basic accuracy: ±(5 %)

Varistor overvoltage protection devices – Breakdown Voltage
 Measurement principle: d.c. voltage ramp (500 V/s)
 Display range: 50 ÷ 1000 V
 Accuracy: ±(5 % + 10 V)

Fault, Fuse, Conductor Locator
 Principle: Loading of mains voltage or applying a test signal
 Loading: $I_s < 1$ A pulsed $f_s = 3600$ Hz $U_n = 30 \div 264$ V/45 ÷ 65 Hz
 Imposing: $U_s < 7$ V pulsed $f_s = 3600$ Hz $I_{sc} < 50$ mA pulsed

Power (one-phase)
 Display range: 0 ÷ 88 kW / VA / Var
 Resolution: 0.1; 1; 0.01 k; 0.1 kW / VA / Var
 Accuracy: ±(7 % + 1 D)
 Nominal voltage, frequency: 10 ÷ 440 V, 50 / 60 Hz
 Display range cos φ: 0 ÷ 1

Eurotest 61557

Energy
 Calculation: $W = \Sigma P \times \Delta t$
 Display range: 0 ÷ 2000 kWh
 Accuracy: ±(7 % + 1 D)

Harmonic Analysis (Voltage and Current)
 Component range: odd values up to 21-st
 Display range (each component): 0.0 ÷ 100.0 %
 Display range (THD): 0.0 ÷ 1000 %
 Accuracy: ±(5 % + 5 D)

Voltage measurement (True RMS): 0 ÷ 440 V
Current measurement (True RMS): 0 ÷ 200 A
 Nominal frequency: 50 / 60 Hz

Illumination

Type B	Type C
Measurement principle: silicon photodiode	
Display range: 0.01 ÷ 20 kLux	0.1 ÷ 20 kLux
Accuracy: ±(5 % of r. + 2 D)	±(10 % of r. + 3 D)
Cosine error: <2.5 %	<3.0 %

Ordering information

Standard Set

Part No. MI 2087 ST



- Instrument Instaltest 61557
- Plug commander 1,5 m
- Test cable Universal connection 3 x 1,5 m
- Test tips, (blue and black)
- Alligator clip
- Set of carrying belts
- Soft carrying bag
- RS 232 cable
- PC SW InstalLink
- Handbook "Measurement in practice"
- Instruction manual
- Product verification data

Optional accessories



- A 1002** - Tip commander 1,5 m
- A 1005** - Cable locator
- A 1012** - Test lead green 4 m
- A 1021** - General cable 4 x 1m
- A 1052** - PC SW Euro Link - PRO
- A 1102** - Lux meter probe type B
- A 1119** - Lux meter probe type C
- A 1110** - Three phase cable
- A 1111** - Three phase adapter
- A 1143** - Euro-Z 290 A impedance adapter for Eurotest (see page 18)
- A 1171** - USB/RS 232 converter with 1 m fixed cable

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General
 Power supply: 6 V (4 x 1.5 V IEC LR14)
 Automatic evaluation of test results: yes
 Visual and acoustic warnings: yes
 Display: graphic LCD (with backlight)
 Memories: 2000 meas. (Eurotest) 1000 meas. (Instaltest)
 Computer connection: RS 232
 Dimensions (w x h x d): 265 x 110 x 185 mm
 Mass: 2.1 kg (Eurotest)
 (without acces., with bat.): 1.8 kg (Instaltest)
 Protection classification: double insulation
 Overvoltage category: III / 300 V or II / 600 V
 Pollution Degree: 2
 Degree of protection: IP 44
 Working temperature range: 0 ÷ 40°C
 Max. humidity: 85 % RH (0 ÷ 40°C)
 Auto power OFF: yes