

Elma Combitest 425 - multifunction installation tester

with WiFi and colour touchscreen



Elma Combitest 425 is an innovative multifunction installation tester capable of carrying out safety tests on civil and industrial electric systems in compliance with IEC/EN61557-1. Furthermore the instrument is a 1 phase energy analyzer and is capable of saving results of environmental parameters (illuminance, temperature), leakage current, active power, harmonics, power factor measurements on single phase systems, pre-installed autosequences, 6mA RCD test suitable for EVSE Electric Vehicle chargers,. The resistive TFT color touch-screen display, the icon menus, the on screen help and the userfriendly development make the instrument extremely intuitive even for unskilled users. Its numberless features grant the user a wide range of applications in the world of measurements. The multifunction installation tester Elma Combitest 425 allows saving all measures into an internal memory so transferring the saved data to a PC by means of USB (optional) or built in WiFi interface with an iOS or Android smartphones or tablet . The software supplied among standard accessories allows printing the testing reports. The instrument also drives optional short circuit adapter to carry out high resolution (0.1mOhm) loop/line impedance measurements with prospective short-circuit current calculation. This allows accurate measurements even close to power stations enabling the user to correctly size the protection devices in any system. Further possible tests consist in checking breakdown current, tripping current, I2t relative to breakers (MCB) with curves B, C, D, K and fuses type gG as well as aM and the percentage voltage drop on the main power lines. The test on earth leakage relay tester RCDs up to 10A (with optional accessory) is also possible with the instrument. Through optional clamp it is possible to measure the leakage current.

Technical data:

Safety

App Type :	Free download,Android
Display :	Yes
Memory:	No
Ingress Protection (IP):	66
Communication:	Display port,Composit video
Security category:	CAT IV
Software included:	Yes
AC A range:	2mA...1000A

AC V range:	15-460V
Battery:	6x1,5V LR06 opladelige (inkl.)
Dimensions:	225x165x105 mm
Power range:	0,0...9999kW/kVA/kVAr
Frequency range:	47-64Hz
Harmonious:	Spænding: Til 25. Strøm (Med HT96U):Til 25. 999 lokationer
Memory:	999 lokationer
Insulation resistance range:	0-20-100-200-1000M Ω ;
Insulation resistance resolution:	0,01-0,1-1M Ω ;
Insulation resistance test voltage:	50-100-250-500-1000V
Ground resistance:	2 polet
Ground resistance range:	0-20-200-2000-3000 Ω ;
Ground resistance resolution:	0,01-0,1-1 Ω ;
Short circuit current range:	0-24,4kA
Lovohm range:	0-20-100 Ω ;
Lovohm resolution:	0,01-0,1 Ω ;
Loop impedance range:	0-10-200 Ω ;
Loop impedance resolution:	0,01-0,1 Ω ;
Leakage current:	0,5-1000 mA(Tang HT96U bestilles separat)
Net weight:	1,2 kg
RCD Rated Current:	6, 10, 30, 100, 300, 500, 650, 1000mA
RCD trip out time:	0-1000ms
RCD-test:	Type AC ,Type A ,Type B , RDC-DD
Insulation resistance measurement:	50 V,100 V , 250 V,500 V ,1000 V
Continuity test:	200 mA ,10 A (with accessories)
Earth resistance measurement:	Loop impedance (loop)
Short circuit measurement:	Fuse table ,Energy leakage
Voltage drop:	Yes
Phase sequence/voltage measurement:	Yes
Test on charging socket:	Adapter not included
Battery:	6 pcs, AA, Incl.
Weight (kg):	1.2
Dimensions HxBxD (mm):	225 x 165 x 105

Related products

EAN	EL-NR	Product
200200		Calibration Installationtester
5706445320769	6398615716	Elma Easy-Iso
5706445320592	6398615428	Magnettestprobe, \varnothing 6,6mm
5706445320981	6398615994	Elma belt drum 30m
5706445321230	6398615729	16A CEE plug to banana socket adapter