

## COMBI419 - COMBI420

### COMBINED MULTIFUNCTION INSTRUMENTS FOR TESTS ON CIVIL AND INDUSTRIAL ELECTRIC SYSTEMS

Models **COMBI419** and **COMBI420** are innovative instruments for carrying out tests on electric systems in compliance with standard IEC 60364, for measuring and saving environmental parameters (*only COMBI420*) of leakage current and of electric quantities such as active power, harmonics, PF on single-phase systems (*only COMBI420*). These instruments are extremely simple to use and have a wide range of functions which can be selected through the practical multi-language menu. Each model also allows carrying out measurements by using a remote probe (optional accessory PR400), which makes it much easier to carry out more measurements one after the other. The help on line, which can be consulted by the user and is available for all functions, provides a very useful help in connecting the instrument to the system to be tested.

FUNCTIONS	COMBI419	COMBI420
Continuity with 200mA	•	•
Insulation with 50,100,250,500,1000VDC	•	•
Tripping time of RCD type A, AC standard and selective up to 500mA	•	•
Tripping current of RCD type A, AC up to 500 mA	•	•
Loop/line P-N, P-P, P-PE impedance also with high resolution (0.1mΩ) (with optional accessory IMP57)	•	•
Total earth resistance without RCD tripping	•	•
Contact voltage	•	•
Phase sequence indication	•	•
AUTO test (total earth resistance, RCD test, insulation test) on the tested sockets	•	•
Measurement of powers and PF in single-phase systems		•
Voltage and current harmonics up to the 49 <sup>th</sup> with calculation of the THD%		•
Environmental parameter measurement (temperature, humidity, Illuminance) with optional probes		•
Leakage current measurement (with optional clamp HT96U)	•	•
Activation of measurements with optional remote probe PR400	•	•
Help on line on the display	•	•
Storage of results	•	•
Optical/USB interface for connection to PC	•	•
Size (LxWxH)	222x162x57mm	222x162x57mm
Weight (with batteries)	1kg	1kg

ACCESSORIES	Code
<b>Standard</b>	
- 3-terminal cable with SHUKO plug	C2033X
- Set of 3 cables + 3 alligator clips + 1 test leads	UNIVERSALKIT
- Carrying bag	BORSA75N
- ISO9000 calibration certificate	
- User manual on CD-ROM	
- Quick reference guide	
<b>Optional</b>	
- PC Windows software + optical / USB cable	TOPVIEW2006
- Clamp 1-100-1000A/1V AC, diameter 54mm	HT96U
- Temperature/Humidity probe ( <i>only COMBI420</i> )	HT52/05
- Illuminance (Lux) probe ( <i>only COMBI420</i> )	HT53/05
- Remote probe	PR400
- Accessory for Loop impedance with high resolution	IMP57
- Hands-free kit	SP-0400
- Magnetic adapter	606-IECN
- Safety flexible alligator clip	6007-IEC#



PR400  
Optional remote probe



HT96U  
clamp for AC  
leakage current



SP-0400  
Hands-free kit



NEW

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