	CABLES TESTER CS-NT24	CABLES TESTER CS-NT24 PRO	DIGITAL BATTERY TESTER ARC TESTER/ZIAL	LIVE WIRE, METAL AND WOOD DETECTOR DM-3 Vitrone	CABLES TESTER PS-8114 FORCHER	MAINS SOCKET TESTER UT-07A-EU UNI-T	MAINS SOCKET TESTER WITH RCD CHECKING FUNCTION UT-07B-EU UNI-T	TEMPERATURE AND HUMIDITY METER UT-333 UNI-T	SOUND LEVEL METER UT-353 UNI-T	LIVE WIRE, METAL AND WOOD DETECTOR UT-387B UNI-T	LIVE WIRE, METAL AND WOOD DETECTOR UT-387E UNI-T	GROUNDING RESISTANCE METER UT-522 UNI-T	INSULATION RESISTANCE METER + RCD TESTER UT-526 UNI-T	INSULATION RESISTANCE METER + RCD TESTER UT-582+ UNI-T	MULTIFUNCTION METER FOR ELECTRICAL INSTALLATIONS UT-593 UNI-T	MULTIFUNCTION METER FOR ELECTRICAL INSTALLATIONS UT-595 UNI-T	METER OF CAPACITANCE, INDUCTANCE AND RESISTANCE UT-603	LOW RESISTANCE METER UT-620A UNI-T	CABLES TESTER HDMI UT-681 HDMI UNI-T	CABLES TESTER UT-681L UNI-T	CABLE FAIR DETECTOR WITH RJ-45 CABLE TESTER UT-682 UNI-T	WIRE FAIR DETECTOR UT-682D UNI-T	POWER METER WITH LCD DISPLAY OR/WAT-419 ORNO	POWER METER WITH LCD DISPLAY OR/WAT-420 ORNO	MULTI-FUNCTIONAL USB TESTER HP-UT01 Sapoetronik	POWER METER WITH LCD DISPLAY UT-230B-EU UNI-T	USB SOCKET TESTER UT-658 UNI-T	USB SOCKET TESTER UT-658-DUAL UNI-T	CABLES TESTER ST-246	CABLES TESTER NS-868	RJ45 CONNECTOR TOOL KIT NS-468/KIT	WEATHER STATION UT-612T UNI-T	WEATHER STATION UT-612T UNI-T	CABLE TRACKER MS-6812	CABLE TRACKER MS-6818
	129.74 EUR 129.74 EUR	203.72 EUR 203.72 EUR	3.31 EUR 3.31 EUR	13.17 EUR 13.17 EUR	130.13 EUR 130.13 EUR	9.14 EUR 9.14 EUR	9.16 EUR 9.16 EUR	22.46 EUR 22.46 EUR	15.76 EUR 15.76 EUR	52.41 EUR 52.41 EUR	43.73 EUR 43.73 EUR	198.40 EUR 198.40 EUR	215.47 EUR 215.47 EUR	138.52 EUR 138.52 EUR	467.96 EUR 467.96 EUR	579.49 EUR 579.49 EUR	54.28 EUR 54.28 EUR	580.34 EUR 580.34 EUR	22.46 EUR 22.46 EUR	8.51 EUR 8.51 EUR	31.22 EUR 31.22 EUR	17.76 EUR 17.76 EUR	10.45 EUR 10.45 EUR	15.27 EUR 15.27 EUR	24.38 EUR 24.38 EUR	27.14 EUR 27.14 EUR	10.22 EUR 10.22 EUR	17.22 EUR 17.22 EUR	6.78 EUR 6.78 EUR	8.47 EUR 8.47 EUR	11.14 EUR 11.14 EUR	14.23 EUR 14.23 EUR	13.78 EUR 13.78 EUR	21.11 EUR 21.11 EUR	261.59 EUR 261.59 EUR
Device type																							Power meter with LCD display	Power meter with LCD display	Power meter via USB, USB-C, micro USB ports	Power meter with LCD display	Power meter via USB port	Power meter via USB port							
Rated voltage						230 V AC	230 V AC																												
Output signal																																		1.5 kHz - Transmitter	125 kHz - Transmitter
Measurement																																Temperature / relative humidity	Temperature / relative humidity		
Sound level measuring range									30 dB ... 130 dB ± 1.5 dB @ 0.1 dB																										
AC current measurement																	—																		
Input socket type																									1 x USB-A plug 1 x USB-C plug 1 x microSD socket		1 x USB-A plug	1 x USB-A plug 1 x USB-C plug							
Input signal																																		100 Hz ... 300 kHz - Receiver	
Measurement range																																-10 °C ... 50 °C ± 1 °C	-10 °C ... 50 °C ± 1 °C		
Sampling frequency									8 Hz 8 Hz																										
Output socket type																									1 x USB-A socket 1 x USB-C socket		1 x USB-A socket	1 x USB-A socket 1 x USB-C socket							
Maximal current																							16 A	16 A		16 A									
Tested cables	STP / UTP cat. 5, 5e, 6, 6e - RJ45 (8P8C), RJ11 (6P4C), Coaxial cable	STP / UTP cat. 5, 5e, 6, 6e - RJ45 (8P8C), RJ11 (6P4C), Coaxial cable			STP / UTP cat. 5, 5e, 6 - RJ45 (8P8C), RJ11 (6P4C), Coaxial cable														HDMI, mini HDMI	UTP, FTP, YTKSY - RJ45 (8P8C), RJ11 (6P4C)	UTP, FTP, YTKSY - RJ45 (8P8C), RJ11 (6P4C)	UTP, FTP, YTKSY							RJ45, UTP, FTP, BNC	UTP, FTP, YTKSY - RJ45 (8P8C), RJ11 (6P4C), RJ12 (6P6C)	UTP, FTP, YTKSY - RJ45 (8P8C), RJ11 (6P4C), RJ12 (6P6C)				
LCD display																									0.96 "			1.22 " 1.85 "							
Frequency band									31.5 Hz ... 8 kHz																										
Range of displayed power																							0.0 ... 9999 W	0.0 ... 9999 W		0.0 ... 9999 W									
Microphone type									Condenser microphone - 1/2 "																										
Range of displayed voltage																							0.0 ... 9999 V	0.0 ... 9999 V		0.0 ... 9999 V									
Detector range				• Wood - 38 mm, • Metal - 50 mm, • AC live wires - 20 mm						• Wood - 20 mm, • Metal - 80 mm, • AC live wires - 50 mm	• Wood : 38 mm, • Non-ferromagnetic metal : 80 mm, • Ferromagnetic metal : 100 mm • AC live wires : 40 mm																									
Measurement of humidity								0 % ... 100 % RH ± 5 % RH 0 ± 1 % RH																								20 % ... 95 % ± 5 %	20 % ... 95 % ± 5 %		
"Index of Protection"						IP40	IP40																												
Typical battery charge time	3 h	3 h																																	
Cumulative cost of electricity																							0.00 ... 9999 €/h	0.00 ... 9999 €/h		0.00 ... ∞ 9999									
Backup time	16 h	16 h																																	
Power measurement																							0.1 ... 3680 W	0 ... 3680 W	0 ... 150 W @ 0.01 W	0.1 ... 3680 W									
Cost electricity setting range																							00.00 ... 99.99 €/kWh	00.00 ... 99.99 €/kWh											
DC current measurement																	—								0 ... 5.1 A @ 0.01 A		0 ... 3 A ± 1 %	0.05 ... 3 A @ 0.01 A - USB-A 0.05 ... 5 A @ 0.01 A - USB-C							
Measuring accuracy													0.05 MΩ ... 500 MΩ ± (5% + 5)		0.05 MΩ ... 1000 MΩ ± (5% + 5)	0.05 MΩ ... 1000 MΩ ± (5% + 5)																			
Battery capacity measurement																									0 ... 99999 mAh @ 1 mAh		0 ... 9999 mAh	0 ... 99999 mAh							
Main features																																	• Identification the wire in the distribution box • Wire continuity test • Searching the place of wire damage • Telephone line status identification	• Wire continuity test; • Searching the place of wire damage; • 3 operating modes: impulse; bipolar; loop; • The ability to identify any interconnections (electrical, plumbing, heating installations, etc.; • Detection of the cable in the wall and underground at depth up to 2m; • The possibility of operating on energized cable and in a circuit without voltage; • 8 transmission codes set on the transmitter and distinguished by the receiver; • Built-in buzzer allows to operate the device without looking at the screen
Open circuit voltage													Test voltage + 10 %		Test voltage ± 10 %	Test voltage ± 10 %																			
Price display range																								00.00 ... 99.99 €/kWh											
Ground voltage measurement												400 V ± (1.0% + 6) @ 1 V																							
Energy measurement																												0 ... 1000 Wh							
Color																																White	White		
Test current													0.9 mA ... 1.1 mA		0.9 mA ... 1.1 mA	0.9 mA ... 1.1 mA																			
Type (size)			• 1.5 V LR3 (AAAA) / HP16 / KG4 W; • 1.5 V LR6 (AA) / HP7 / MN1500; • 1.5 V LR14 (C) / HP11 / MN1400; • 1.5 V LR20 (D) / HP2 / MN1300; • 9 V LR61 / 6F22 / MN1604 / PP3; • Coin Batteries																																	

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Impedance measurement																											1 ... 999.9 Ω @ 0.1 Ω												
Short-circuit current													< 1.8 mA		< 1.8 mA	< 1.8 mA																							
Equivalent resistance of the circuit measurement																														1 ... 480 Ω									
Application																																		Plug 8[45 (8P8C) ; Plug 8[12 (6P8C) ; Plug 8[11 (6P4C) / DEC					
Data storage																														10 measurements									
AC voltage measurement													0 V ... 440 V ± (2% + 3) @ 5 V	30 V ... 600 V ± (3% + 3) @ 5 V	0 V ... 440 V ± (2% + 3) @ 5 V	0 V ... 440 V ± (2% + 3) @ 5 V	—							200 ... 276 V	150 ... 276 V		100 ... 260 V									12 ... 400 V
Time display range																											0 s ... 9999 days	max. 999 h 59 min 59 s @ 1 s											
Resistance measurement												40 Ω ± (2% + 20) @ 0.01 Ω 400 Ω ± (2% + 3) @ 0.1 Ω 4000 Ω ± (2% + 3) @ 1 Ω • Auxiliary resistance : 500 Ω ± 5 % • Measuring voltage : ≤ 10 V AC @ ~820 Hz	• Test voltage: 250 V ; 0.05 MΩ ... 200 MΩ • Test voltage: 500 V ; 0.05 MΩ ... 500 MΩ • Test voltage 1000 V ; 0.05 MΩ ... 500 MΩ		• Test voltage: 250 V ; 0.05 MΩ ... 200 MΩ • Test voltage: 500 V ; 0.05 MΩ ... 500 MΩ • Test voltage 1000 V ; 0.05 MΩ ... 1000 MΩ	• Test voltage: 250 V ; 0.05 MΩ ... 200 MΩ • Test voltage: 500 V ; 0.05 MΩ ... 500 MΩ • Test voltage 1000 V ; 0.05 MΩ ... 1000 MΩ	200 Ω ± (0.8% + 3) @ 0.1 Ω 2 kΩ ± (0.8% + 1) @ 0.001 kΩ , 20 kΩ ± (0.8% + 1) @ 0.01 kΩ , 200 kΩ ± (0.8% + 1) @ 0.1 kΩ , 2 MΩ ± (0.8% + 1) @ 0.001 MΩ , 20 MΩ ± (2.0%(RD-12) + 5) @ 0.01 MΩ 2000 MΩ @ 1 MΩ - visual measurement	120 mΩ ± (0.25% + 25) @ 0.01 mΩ , 600 mΩ ± (0.25% + 25) @ 0.01 mΩ , 6 Ω ± (0.25% + 25) @ 0.0001 Ω , 60 Ω ± (0.25% + 25) @ 0.001 Ω , 600 Ω ± (0.25% + 25) @ 0.01 Ω , 6 kΩ ± (0.75% + 30) @ 0.0001 kΩ																			
Maximal load																										3680 W	3680 W	150 W	3680 W										
DC voltage measurement			✓										0 V ... 440 V ± (2% + 3) @ 5 V		0 V ... ± 440 V ± (2% + 3) @ 5 V	0 V ... ± 440 V ± (2% + 3) @ 5 V	—											3.6 ... 32 V @ 0.01 V		3 ... 9 V ± 1 %	4 ... 24 V ± 1 %							12 ... 400 V
Range of displayed measurement of energy																										0.000 ... 9999 kWh	0.000 ... 9999 kWh	0.000 ... 999999 mWh @ 1 mWh	0.000 ... 9999 kWh										
Measurement of small resistances													0.01 Ω ... 2000 Ω ± (2% + 5)		0.01 Ω ... 200 Ω ± (2% + 5)	0.01 Ω ... 200 Ω ± (2% + 5)																							
Standards																												PD2.0, PD3.0, QC2.0, QC3.0, BC1.2 and others											
Housing																										Plastic	Plastic	Plastic	Plastic	Plastic	Plastic								
Security class																										IP20	IP20		IP20										
Socket type																										GP+Z, E type	GP+Z, E type		F type (Schuko)										
Capacitance measurement																	2 nF ± (1% + 5) @ 0.001 nF 20 nF ± (1% + 5) @ 0.01 nF 200 nF ± (1% + 5) @ 0.1 nF 2 µF ± (4% + 5) @ 0.001 µF 20 µF ± (4% + 5) @ 0.01 µF 200 µF ± (4% + 5) @ 0.1 µF 600 µF @ 1 µF - visual measurement																							
Test of RCDs													• Working voltage: 220V ± 10 % • Test current: 10mA / 30mA / 100mA / 300mA • Switch-off time ranges : ...0 ... 10 mS @ 30 mA ...0 ... 300 ms ± (5% + 2) @ 100 mA ...0 ... 300 ms ± (5% + 2) @ 300 mA	• Working voltage: 220V ± 10 % • Test current: 10mA / 20mA / 30mA / 100mA / 300mA • Switch-off time ranges : ...x 1/2 ... 10 / 20 / 30 / 100 / 300 / 500 mA @ 2000 ms ...x 1 ... 10 / 20 / 30 / 100 / 300 mA @ 1000 ms ...x 1 ... 500 mA @ 300 ms • Test current: 10 / 20 / 30 / 100 / 300 / 500 mA @ 300 ms • AUTO RAMP test: measurement of shutdown current (with simultaneous measurement of time)	• Working voltage: 220V ± 10 % • Test current: 10mA / 30mA / 100mA / 300mA • Switch-off time ranges : ...0 ... 300 ms ± (5% + 5) @ 1/2 x nominal value of the residual current ...0 ... 500 ms ± (5% + 5) @ 1 x nominal value of the residual current, Selective BCD ...0 ... 300 ms ± (5% + 5) @ 1 x nominal value of the residual current ...0 ... 40 ms ± (5% + 5) @ 5 x nominal value of the residual current	• Working voltage: 220V ± 10 % • Test current: 10mA / 30mA / 100mA / 300mA / 500mA • Switch-off time ranges : ...0 ... 300 ms ± (5% + 5) @ 1/2 x nominal value of the residual current ...0 ... 500 ms ± (5% + 5) @ 1 x nominal value of the residual current, Selective BCD ...0 ... 500 ms ± (5% + 5) @ 2 x nominal value of the residual current, Selective BCD ...0 ... 300 ms ± (5% + 5) @ 1 x nominal value of the residual current ...0 ... 300 ms ± (5% + 5) @ 2 x nominal value of the residual current ...0 ... 40 ms ± (5% + 5) @ 5 x nominal value of the residual current																									
RCD tripping current measurement																Increasing current test: 10 mA / 30 mA / 100 mA / 300 mA / 500 mA ± 10 %	Increasing current test: 10 mA / 30 mA / 100 mA / 300 mA / 500 mA ± 10 %																						
RCD automatic test																✓	✓																						
Phase sequence test																100 V ... 440 V / 45 Hz ... 65 Hz	100 V ... 440 V / 45 Hz ... 65 Hz																						
Continuity measurement of protective and equalizing conductors																0 Ω ... 199 Ω ± (2% + 5) Measuring current > 20 mA @ 0 ... 2 Ω	0 Ω ... 199 Ω ± (2% + 5) Measuring current > 20 mA @ 0 ... 2 Ω																						
Inductance measurement																		2 mH ± (2% + 8) @ 0.001 mH , 20 mH ± (2% + 8) @ 0.01 mH , 200 mH ± (2% + 8) @ 0.1 mH , 2 H ± (3% + 5) @ 0.001 H , 20 H ± (3% + 5) @ 0.01 H , 200 H @ 0.1 H - visual measurement																							
Frequency measurement													20 Hz ... 100 Hz - for reference only	45 Hz ... 65 Hz - frequencies displayed are for illustration purposes	20 Hz ... 100 Hz - for reference only	20 Hz ... 100 Hz - for reference only	—																						
Square-wave signal duty ratio measurement																	—																						
Temperature measurement														• -10 °C ... 60 °C ± 1 °C @ 0.1 °C • 14 °F ... 140 °F ± 2 °F @ 0.2 °F			—											0 ... 80 °C @ 1 °C										
hFE																	✓																						
Diode test																	✓																						

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Sound signal of the continuity test	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	✓	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Checking TTL logic states	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Line impedance measurement (L-N)	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	• 0.05 Ω ... 1.99 Ω ± (5% + 5) Ω • 2 Ω ... 19.99 Ω ± (5% + 5) • 20 Ω ... 2000 Ω ± (5% + 5) Measuring current : 20 A / 20 ms Measuring range of prospective short-circuit current : 0 ... 26 kA	• 0.05 Ω ... 1.99 Ω ± (5% + 5) Ω • 2 Ω ... 19.99 Ω ± (5% + 5) • 20 Ω ... 2000 Ω ± (5% + 5) Measuring current : 20 A / 20 ms Measuring range of prospective short-circuit current : 0 ... 26 kA	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Short circuit loop impedance measurement (L-PE)	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	• 0.05 Ω ... 1.99 Ω ± (5% + 5) Ω • 2 Ω ... 19.99 Ω ± (5% + 5) • 20 Ω ... 2000 Ω ± (5% + 5) Measuring current : 20 A / 20 ms Measuring range of prospective short-circuit current : 0 ... 26 kA	• 0.05 Ω ... 1.99 Ω ± (5% + 5) Ω • 2 Ω ... 19.99 Ω ± (5% + 5) • 20 Ω ... 2000 Ω ± (5% + 5) Measuring current : 20 A / 20 ms Measuring range of prospective short-circuit current : 0 ... 26 kA	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Automatic change of measuring ranges	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	✓	✓	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
RS-232	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
USB	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	✓	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Main features	• 2.4 " LCD display - 320 x 240 px • Cable test and cable tracer : cable type, UTP cable's sequence and type test, the fault of RJ45 connector • Test TDR - RJ45 - pair status, length, attenuation, reflectivity, impedance, skew - Length of the cable max. 180 m • Detection of the connected port in switch • Test PING : correct operation of the IP camera's Ethernet port, correct IP configuration • IP Scan • Identification of the network port and duplex mode • Identification the wire in the group of wires • Detecting line condition detection • Automatic power-off : 10 ... 120 minutes	• 2.4 " LCD display - 320 x 240 px • Cable test and cable tracer : cable type, UTP cable's sequence and type test, the fault of RJ45 connector • Test TDR - RJ45 - pair status, length, attenuation, reflectivity, impedance, skew - Length of the cable max. 180 m • Detection of the connected port in switch • Test PING : correct operation of the IP camera's Ethernet port, correct IP configuration • IP Scan • Identification of the network port and duplex mode • Identification the wire in the group of wires • Detecting line condition detection • Detecting and locating a cable break or short circuit • HD coaxial video level tester • Automatic power-off : 10 ... 120 minutes	• Large, readable LCD display • Quick measurement • Small dimensions	• Automatic calibration after turned on. • Optical - sound signaling	• OSD menu : Polish, English • Large, readable LCD display with backlight • Cable length measurement • Length of the cables : 1 ... 1000 m • Measurement method : capacitive • Measurement frequency : 130 kHz • "Find port" function - quick search of the port in a cable bundle • Searching and testing cables in PoE mode • Measurement of voltages on PoE conductors • Pair integrity test • Built-in VFL laser fiber tester, range 20 km, Connectors : 2.5 mm SC/FC/ST type • Save measurement results in the device memory • Overvoltage protection : 60 V AC / 48 V DC - Transmitter • Automatic power-off • Low battery level alarm	• Phase conductor position test • Signaling a lack of grounding • Signaling phase failure • Signaling a lack of a neutral wire • Signaling of phase and ground swap • Signaling of phase and ground swap and a lack of grounding	• RCD test (residual current device test) : ~ 30 mA • Phase conductor position test • Signaling a lack of grounding • Signaling phase failure • Signaling a lack of a neutral wire • Signaling of phase and ground swap • Signaling of phase and ground swap and a lack of grounding	• Hold - stopping the meter reading, • Writing the value MAX / MIN • Large, readable LCD display with backlight, • Automatically turns off the device after 5 min. • Over-range indicator, • Low battery indicator	• Hold - stopping the meter reading, • Writing the value MAX / MIN • Large, readable LCD display with backlight, • Automatically turns off the device after 5 min. • Over-range indicator, • Low battery indicator	• Automatic calibration after turned on, • Optical - sound signaling, • Large, easy to read LCD graphic display with backlight, • ZOOM function - More precise location of small metal elements with visualization of their location	• Automatic calibration after turned on, • Optical - sound signaling, • ZOOM function - More precise location of small metal elements with visualization of their location	• Hold - stopping the meter reading, • The measurement can be performed in full or simplified configuration, • Warning of poor connection of leads during measurement, • Large, readable LCD display with backlight, • Buzzer, Low battery alarm, • Aesthetic and solid construction,	• Warning of using high voltage during the measurement, • Phase switch 0° / 180° during RCD test, • Automatic identification of AC/DC voltage, • Large, readable LCD display with backlight, • Buzzer, • Low battery level alarm, • Aesthetic and solid construction	• Phase switch 0° / 180° during RCD test, • Large, readable LCD display with backlight, • Buzzer, • Low battery level alarm, • Aesthetic and solid construction	• Warning of using high voltage during the measurement, • Phase switch 0° / 180° during RCD test, • Automatic identification of AC/DC voltage, • Large, readable LCD display with backlight, • Buzzer, • Low battery level alarm, • Aesthetic and solid construction	• Warning of using high voltage during the measurement, • Phase switch 0° / 180° during RCD test, • Automatic identification of AC/DC voltage, • Insert function for measuring low resistances, • Large, readable LCD display with backlight, • Buzzer, • Automatic power-off, • Low battery indicator, • Aesthetic and solid construction	• Warning of using high voltage during the measurement, • Phase switch 0° / 180° during RCD test, • Automatic identification of AC/DC voltage, • Insert function for measuring low resistances, • Large, readable LCD display with backlight, • Buzzer, • Automatic power-off, • Low battery indicator, • Aesthetic and solid construction	• Large, readable LCD display with backlight • Hold - stopping the meter reading • Aesthetic and solid construction,	• Hold - stopping the meter reading, • 4-lead measurement, • Large, readable LCD display with backlight, • Low battery level alarm, • Aesthetic and solid construction, • The set includes a practical case	• Test for the presence of a short circuit, open circuit • Fast / slow measurement mode • Automatic shutdown after 10 minutes of inactivity • Low battery level alarm	• Test for the presence of a short circuit, open circuit • Polarity indicator for telephone wire pairs : ± (1x 52V) • Single / full scan mode • Automatic shutdown after 10 minutes of inactivity • Low battery level alarm	• Test for the presence of a short circuit, open circuit • Polarity indicator for telephone wire pairs : ± (1x 52V) • The maximum length of the telephone line : 3000 m • Optical - sound signaling • Low battery indicator	• Continuous output voltage of the transmitter : 8 V DC • Polarity indicator for telephone wire pairs : ± (1x 52V) • The maximum length of the telephone line : 3000 m • Search for broken wire in a cable • Searching for a wire fault point • Detect ringing tone on telephone lines • Sending a constant or modulated signal to identify a selected wire in the bundle • Optical - sound signaling	• Operation modes : Power consumption, Voltage, Cumulated amount of electricity, Cumulative cost of electricity, Cost of electricity (€/kWh), • Large, readable LCD display • Simple configuration of the cost calculation setting	• Operation modes : Power consumption, Voltage, Current consumption, Current frequency, Power factor, Cos φ, Cumulated amount of electricity, Cumulative cost of electricity, Programmable price of 1 kWh, Cost of electricity (€/kWh), Cumulative time of energy consumption measurement The average weight of CO_2 emissions per kWh, configuration of consumed energy • Large, readable LCD display • Simple configuration of the cost calculation setting • Built-in battery	–	–	–	–	–	–	• LCD display • Digital sensor • External temperature measurement probe : Length of the cable 2 m • Alarm function • Selectable measurement unit: °C / °F • Wall mounting • Integrated stand	• LCD display • Digital sensor • Alarm function • Calendar function • Selectable measurement unit: °C / °F • Wall mounting • Integrated stand	–	–
Operation temp	–	–	–	–	–	0 °C ... 40 °C	0 °C ... 40 °C	0 °C ... 40 °C	0 °C ... 40 °C	–	–	5 °C ... 40 °C	5 °C ... 40 °C	0 °C ... 40 °C	0 °C ... 40 °C	0 °C ... 40 °C	0 °C ... 40 °C	–	–	–	–	0 °C ... 40 °C	0 °C ... 40 °C	–	–	–	–	–	–	–	–	10 °C ... 50 °C	10 °C ... 50 °C	–	–
Permissible relative humidity	–	–	–	–	–	–	–	≤ 90 % (non-condensing)	≤ 80 % (non-condensing)	–	–	≤ 80 % (non-condensing)	≤ 85 % (non-condensing)	≤ 80 % (non-condensing)	≤ 85 % (non-condensing)	≤ 85 % (non-condensing)	–	–	–	–	–	20 % ... 75 %	–	–	–	–	–	–	–	–	–	max. 90 % (non-condensing)	max. 90 % (non-condensing)	–	–
Power supply	Cables tester : Li-Ion battery 3.7 V / 2000 mAh, USB DC 5V/2A power adapter (included) Probe : 2 x 1.5V, type AAA/LR03 battery (not included)	Cables tester : Li-Ion battery 3.7 V / 2000 mAh, USB DC 5V/2A power adapter (included) Probe : 2 x 1.5V, type AAA/LR03 battery (not included)	–	9V, type 6F22 battery - included	2 x 9V, type 6F22 battery (Transmitter / Receiver - included)			3 x 1.5V, type AAA/LR03 battery - included	3 x 1.5V, type AAA/LR03 battery - included	9V, type 6F22 battery - included	Built-in 3.7V / 300mAh battery, charging via USB-C connector	4 x 1.5V, type AA/LR6/FR6 battery - included	6 x 1.5V, type AA/LR6/FR6 battery - included	6 x 1.5V, type AA/LR6/FR6 battery - included	8 x 1.5V, type AA/LR6/FR6 battery - included	8 x 1.5V, type AA/LR6/FR6 battery - included	9V, type 6L861 battery - included	Built-in 7.4V / 4000mAh battery, 9V / 4A power adapter included	9V, type 6F22 battery (included)	9V, type 6F22 battery (included)	2 x 9V, type 6F22 battery (included)	2 x 9V, type 6F22 battery (included)	230 V AC, 50 Hz	• 230 V AC, 50 Hz • 6 V DC, 40 mAh NiMH - built-in battery	3.6 V DC - Port USB	230 V AC, 50 Hz + 1 x CR2032	5 V DC - Port USB		9 V DC / 25 mA battery	Battery 9 V 6L861 (not included)	Battery 9 V 6L861 (not included)	1 x battery LR3 (AAA) (included)	1 x battery LR3 (AAA) (included)	2 x 9V, type 6F22 battery (included)	• Transmitter : 9V, type 6L861 battery - included • Receiver : 2 x 1.5V, type AAA/LR03 battery - In the kit
Weight	0.28 kg - Cables tester 0.11 kg - Probe	0.34 kg - Cables tester 0.11 kg - Probe	0.048 kg	0.139 kg - Without batteries	0.21 kg - Transmitter 0.14 kg - Receiver	0.08 kg	0.08 kg	0.08 kg	0.08 kg	0.23 kg - Without batteries	0.15 kg	0.42 kg	0.45 kg	0.380 kg	1.1 kg	1.1 kg	0.29 kg	1.33 kg	0.132 kg	0.17 kg	• 0.11 kg - Transmitter • 0.14 kg - Receiver	• 0.12 kg - Transmitter • 0.1 kg - Receiver	0.12 kg	0.17 kg	0.17 kg	0.165 kg	0.02 kg	0.065 kg	0.115 kg	0.12 kg	0.12 kg 0.77 kg (total)	0.106 kg	0.106 kg	0.09 kg - Transmitter 0.07 kg - Receiver	0.27 kg - Transmitter 0.27 kg - Receiver
Dimensions	175 x 88 x 40 mm - Cables tester 220 x 47 x 32 mm - Probe	175 x 88 x 40 mm - Cables tester 220 x 47 x 32 mm - Probe	110 x 60 x 25 mm	150 x 70 x 35 mm	152 x 78 x 35 mm - Transmitter 210 x 66 x 30 mm - Receiver	65 x 65 x 72 mm	65 x 65 x 72 mm	137 x 54 x 29 mm	150 x 52 x 27 mm	220 x 83 x 36 mm	148 x 68 x 30 mm	160 x 100 x 70 mm	150 x 100 x 71 mm	160 x 100 x 69 mm	210 x 175 x 90 mm	210 x 175 x 90 mm	172 x 84 x 41 mm	269 x 182 x 60 mm	103 x 96 x 29 mm	103 x 96 x 28 mm	• 125 x 48 x 29 mm - Transmitter • 194 x 50 x 30 - Receiver	• 74 x 68 x 30 mm - Transmitter • 208 x 49 x 33 mm - Receiver	108 x 64 x 75 mm	149 x 70 x 77 mm	67 x 61 x 11 mm	130 x 65 x 80 mm	84 x 29 x 12 mm	123 x 53 x 14 mm	103 x 97 x 27 mm	101 x 107 x 28 mm	101 x 107 x 28 mm 260 x 170 55 mm (case)	Ø 130 x 78 mm x 22 mm	Ø 130 x 78 mm x 22 mm	249 x 33 x 25 mm - Transmitter 128 x 65 x 26 mm - Receiver	190 x 90 x 41 mm - Transmitter 241 x 79 x 38 mm - Receiver
Manufacturer / Brand	–	–	Virone	FORCHER	UNI-T	UNI-T	UNI-T	UNI-T	UNI-T	UNI-T	UNI-T	UNI-T	UNI-T	UNI-T	UNI-T	UNI-T	UNI-T	UNI-T	UNI-T	UNI-T	UNI-T	UNI-T	ORNO	ORNO	Spectrosnik	UNI-T	UNI-T	UNI-T	–	–	–	UNI-T	UNI-T	–	–
Guarantee	2 years	2 years	2 years	2 years	2 years	2 years	2 years	2 years	2 years	2 years	2 years	2 years	2 years	2 years	2 years	2 years	2 years	2 years	2 years	2 years	2 years	2 years	2 years	2 years	2 years	2 years	2 years	2 years	2 years	2 years	2 years	2 years	2 years	2 years	2 years

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