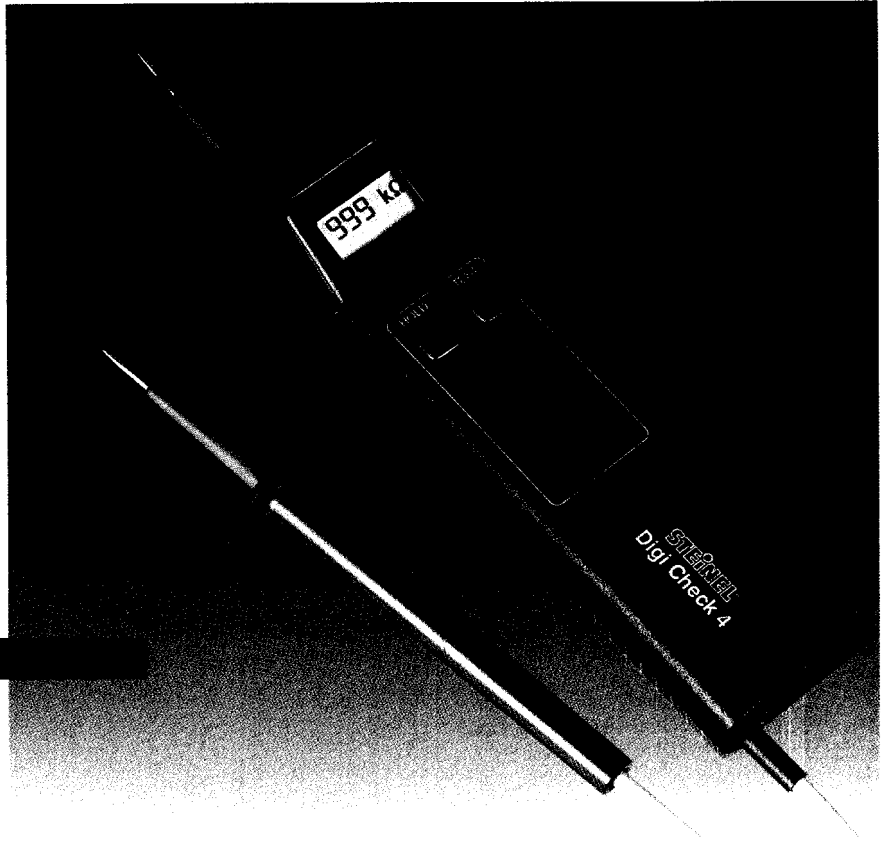


626-983

Electronic
Voltage Testers
Type Checks



Masterline

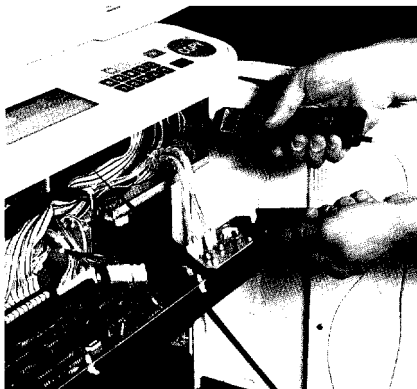
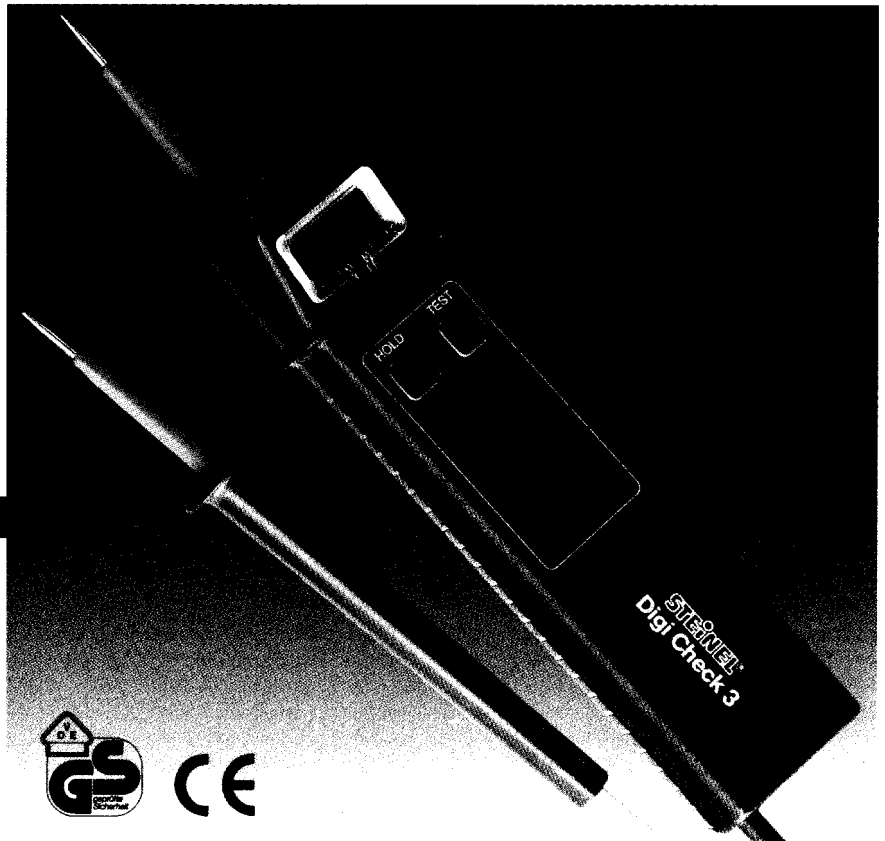
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Voltage Tester **Digi Check 3**

The 2 pole voltage testing, the low weight and the high input resistance of 660 kOhm, joined with 2 independent display systems make the DIGI CHECK 3 the ideal service voltage tester in rugged daily use in shops, factories, laboratories and customer service stations.

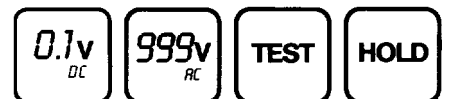
This **micro-controlled** digital voltage tester measures in 200 ms AC and DC current (i. e. 5 complete measurements per second). Of course AC and/or DC current automatically is displayed, making polarity-, phase-, resistance- and PC board testing simple. The "hold" button keeps the measured value.

The simple to read 3-digit LCD display displays the current, the polarity (+/-), as well as the automatic battery check (LOW-BAT).



* Displays already under 8 V.

Technical Data	
Voltage range:	8"-999 V AC/DC
Current display:	3-digit and LED
Input resistance:	≥ 660 kOhm
Continuity test:	0-500 kOhm
Peak voltage:	5 kVos
Display range:	8"-59.9 V in 0.1 V increments 60-999 V in 1.0 V increments
Accuracy:	1.5% of displayed value
Frequency range:	0-2000 Hz
Battery:	9 V
Battery life cycle:	3,000 tests
Enclosure/Temperature:	IP 50, -10° C / + 50° C
Tested/Approved:	according to VDE 0680/Section 5



Voltage Tester with resistance test **Digi Check 4**

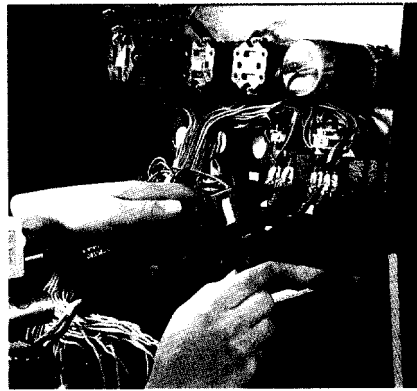
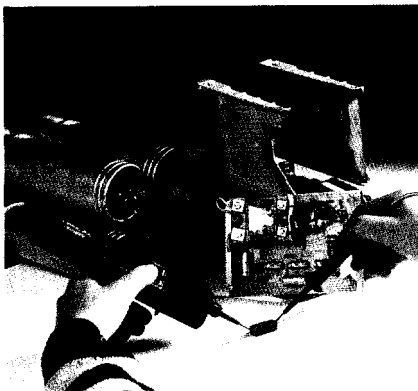
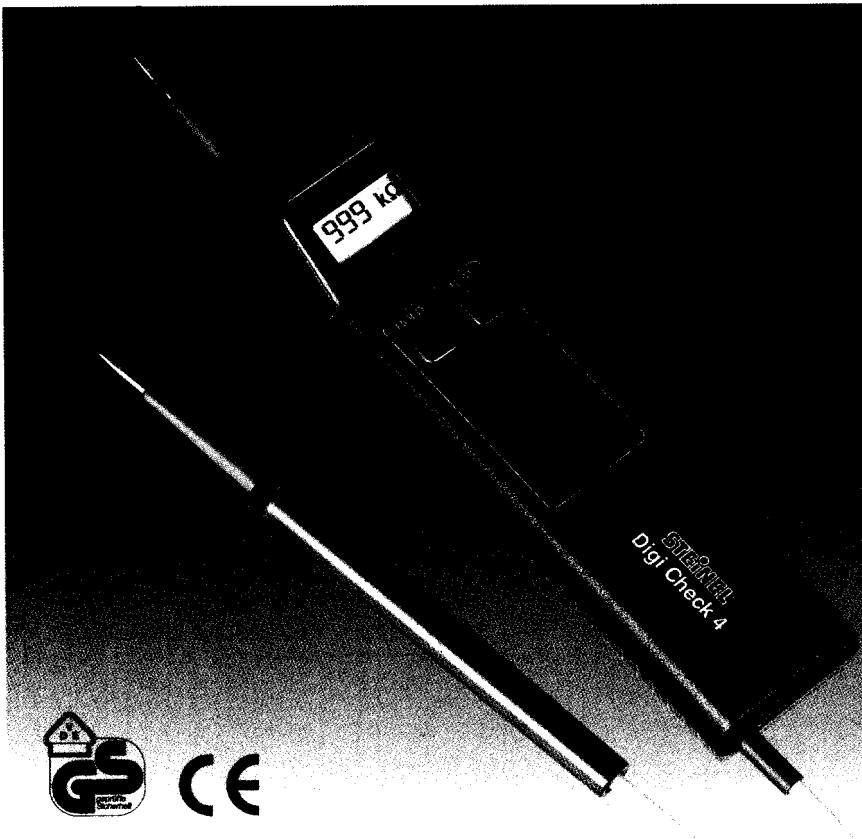
The DIGI CHECK 4 is a further development of the well-known Digi Check 3. The highlights are: universal use, joined with the large range of current testing without any safety risk, as well as simple **testing of resistance**.

The **micro-processor** controlled tester displays the resistance digitally from 0–999 kOhm. An acoustic signal completes the possibilities.

The DIGI CHECK 4 clearly measures and distinguishes AC/DC automatically. Polarity-, phase-, resistance- and PC board testing are simple. The "Hold" button keeps the measured value.

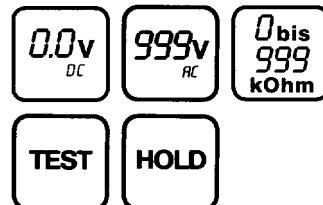
The LED-display is independent of the testers remaining electronics. The easy to read 3-digit display displays AC/DC, polarity (+/-), as well the resistance. Should battery run low the display shows (LOW-BAT).

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* Displays already under 8 V.

Technical Data	
Voltage range:	8*–999 V AC/DC
Current display:	3-digit and LED
Input resistance:	≥ 660 kOhm
Continuity test:	0–999 kOhm
Peak voltage:	5 kVos
Display range:	8*–99.9 V in 0.1 V increments 100–999 V in 1.0 V increments
Display range:	0–99.9 kOhm in 0.1 kOhm increments 100–999 kOhm in 1.0 kOhm increments
Accuracy:	0.5% of displayed value
Frequency range:	0–2,000 Hz
Battery:	9 V
Battery life cycle:	2000 tests
Enclosure/Temperature:	IP 50, –10° C / + 50° C
Tested/Approved:	according to VDE 0680/Section 5



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Voltage Tester

Master Check 3

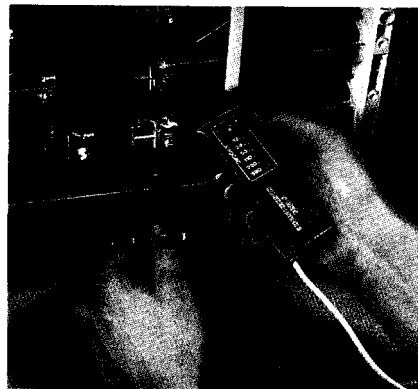


This voltage tester is regulated by a positive-temperature-coefficient resistor, and is suitable for voltage checks across two terminals.

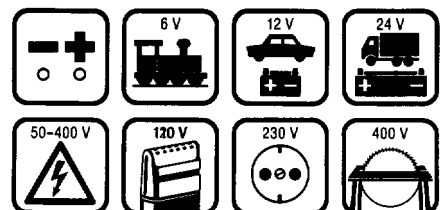
So only grasp the tester by the handles, and do not touch the probe tips. The stepped LED display shows the r.m.s. voltage across the probe tips. The individual LEDs begin to shine at 80–90% of the voltage level shown, and are at full brightness when the voltage level is reached.

If there is a **DC voltage**, the (+) or (–) LED indicates the polarity at the display grip. These two LEDs are also the indicators for 6 V. At higher voltages, all LEDs up to the level of the attained voltage light up together. If there is an **AC voltage**, the two polarity LEDs, (+) and (–), both light up, as well as all LEDs up to the level of the achieved voltage. If the neutral or safety earth conductor is interrupted, there is no indication.

At high input voltages, the tester reduces the test current. The brightness is reduced in less than one second as a result.



Technical Data	
Voltage range:	6–400 V AC/DC
Voltage display:	7-stage LED
Input resistance:	2–50 kΩ
Peak voltage:	5 kVos
Frequency range:	0–60 Hz
Temperature range:	–10° C / +50° C
Enclosure:	IP 50
Tested and approved:	according to VDE 0680/Section 5



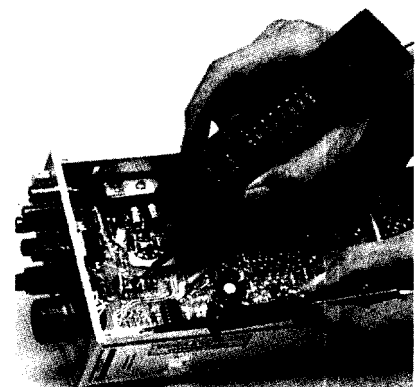
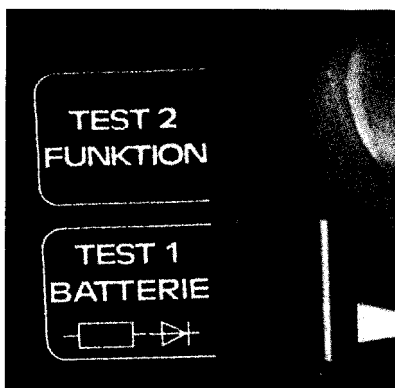
Voltage Tester **Combi Check 1**

This instrument is a high resistance, two-pole voltage tester.

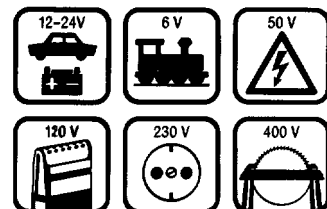
It can be used for a wide range of phase-, polarity-, continuity and voltage tests. AC and DC voltages from 6 to 690 volts.

The wide voltage range, from 6 to 690 V, can be tested without range switching; the high input resistance of at least 660 kOhms provides shock protection; and the surge voltage strength of 5 kVz-pk permits using the tester for all work on supply systems. Dual series resistors (on each in the display grip and the sleeve grip), dual indication (visual and acoustical), and the high degree of protection against operating mistakes, make this tester safe and extremely handy.

A 12 V battery serves as the power source for continuity tests. The battery and instrument can be checked at any time by means of a battery and function test. The function test can be carried out during the voltage check. Voltage checks are always by a two-pole method, for the user's safety. If there is an alternating current, both diodes of the 6 V level, and the one of the applied voltage level, light up. If there is a direct current, either the plus or the minus diode, and the one of the applied voltage level, lights up.



Technical Data	
Voltage range:	6-690 V AC/DC
Voltage display:	LED accoustic (buzzer)
Input resistance:	≥ 660 kOhm
Continuity test:	0-500 kOhm
Peak voltage:	5 kVos
Frequency range:	0-100 Hz
Battery:	12 V
Battery capacity:	1,000 tests
Enclosure/Temperature	IP 40, -10° C / + 50° C
Tested and approved:	according to VDE 0680/Section 5

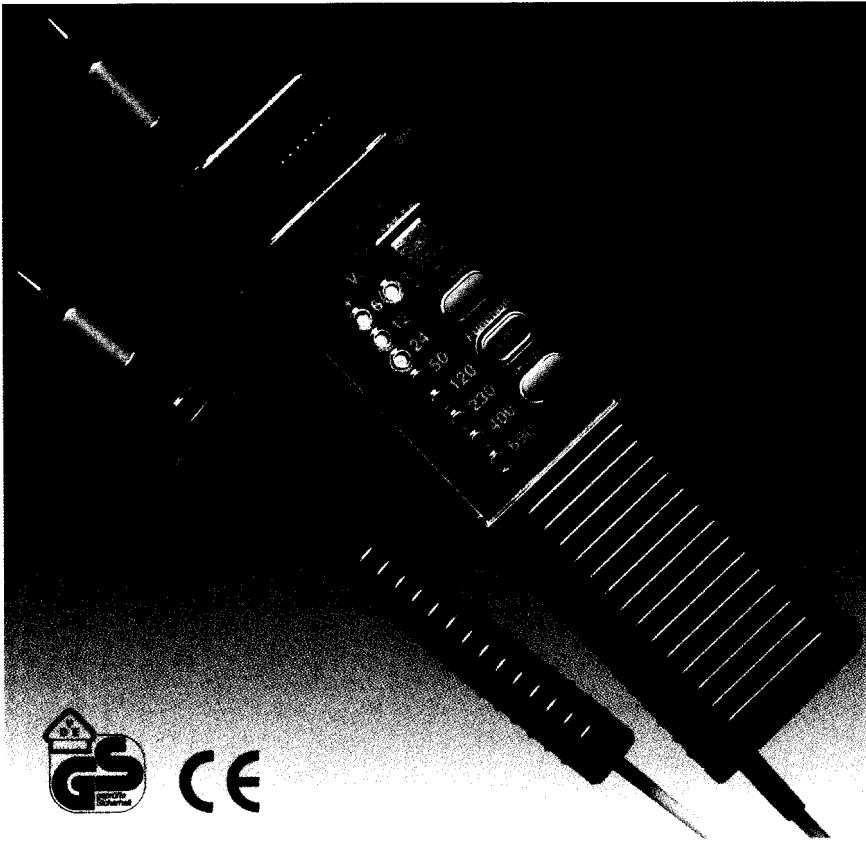


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Voltage Tester

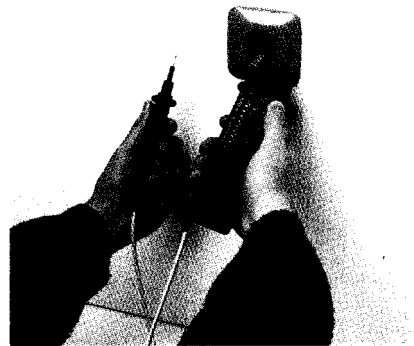
Combi Check 3



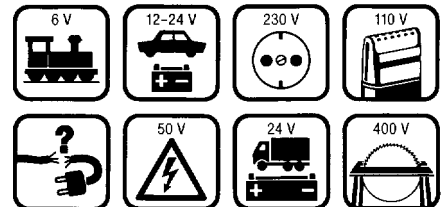
The COMBI CHECK 3 is a specially enhanced version of the familiar Combi Check. After the self-check ("Function" push button), AC or DC voltages can be tested without switching it on or to a different range. Different voltage levels are indicated by LEDs and a buzzer signal. Continuity testing in the 0–500 kOhms range is performed by pressing the "R-Test" push button. The contact electrode ("Pol ≥ 120 V") enables safe singlepole phase tests. The COMBI CHECK 3 provides a combination of a voltage tester with high input resistance (690 kOhms) and a switch-selectable load of 4 kOhms. This makes it possible to test the voltage with a fairly high input resistance at a voltage source, and by pressing the push button to load the voltage source with a resistance of 4 kOhms.

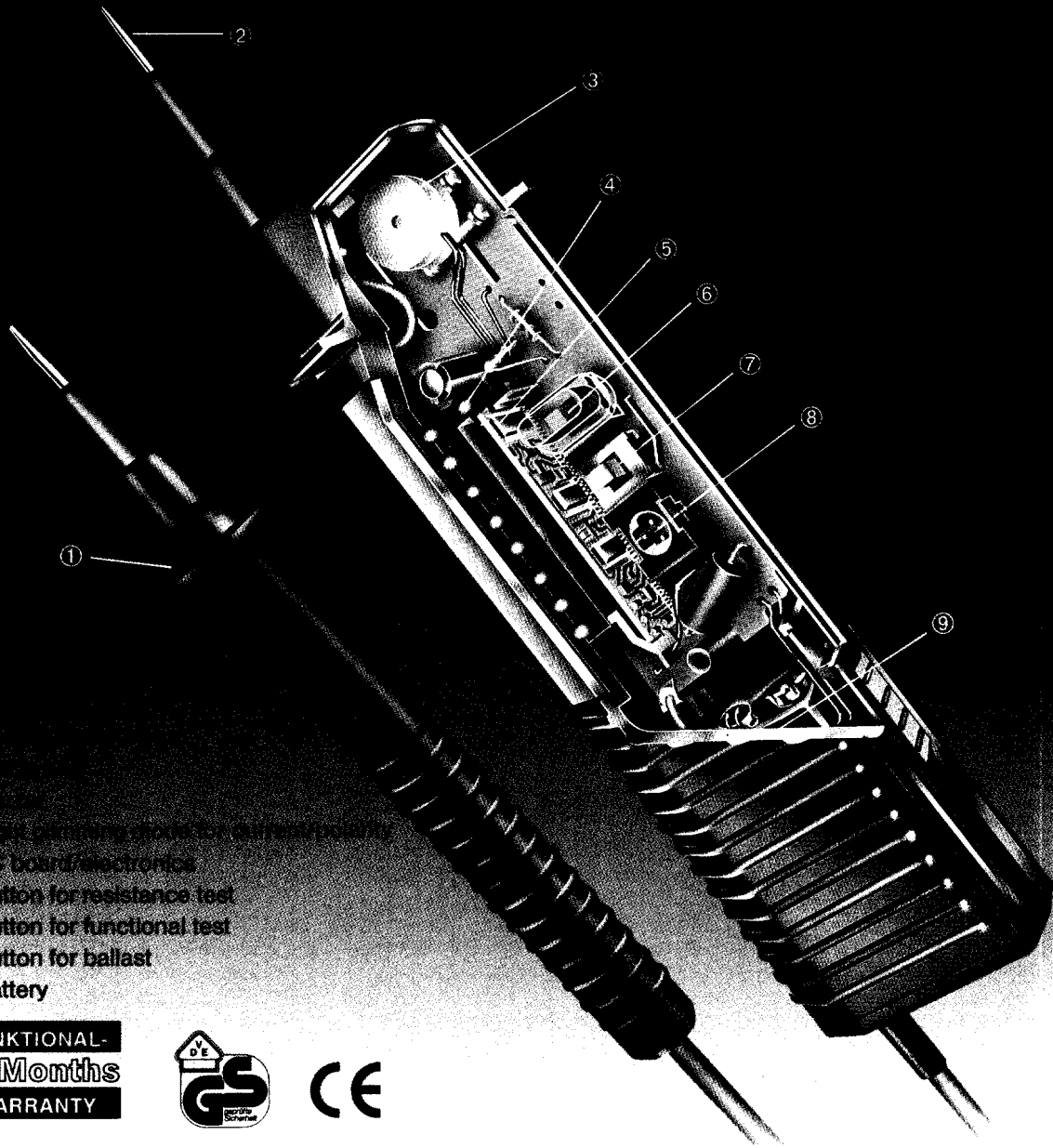
Applications:

- Testing DC and AC voltages in the 6 to 690 V range
- Phase-to-earth testing
- Polarity testing
- Testing earth-leakage circuit breakers, etc.



Technical Data	
Voltage range:	6–690 V AC/DC
Voltage display:	LED accoustic (buzzer)
Input resistance:	≥ 660 kOhm, ca. 4 kOhm "Last"
Continuity test:	0–500 kOhm
Peak voltage:	5 kVos
Frequency range:	0–100 Hz
Battery:	9 V
Battery capacity:	10,000 tests
Enclosure/Temperature:	IP 40 –10° C / + 50° C
Tested and approved:	according to VDE 0680/Section 5





- ① Light emitting diode for current/power
- ② PC board/electronics
- ③ Button for resistance test
- ④ Button for functional test
- ⑤ Button for ballast
- ⑥ Battery

FUNKTIONAL-
36 Months
WARRANTY



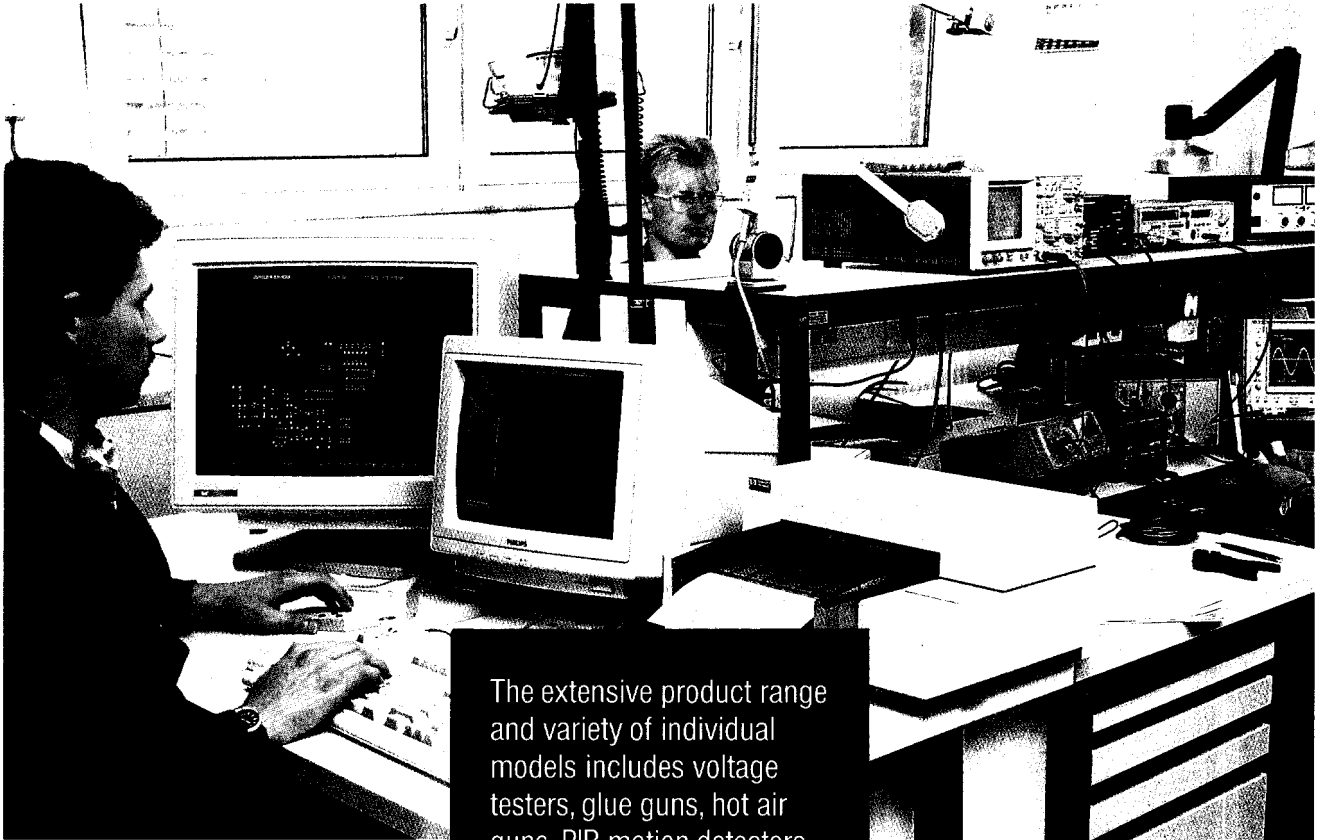
Checking voltage securely

The STEINEL range of voltage testers includes testers for different types of use and for different testing ranges.

Secure to use, accurate testing for:

- home electrics
- car electrics
- electronics

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The extensive product range and variety of individual models includes voltage testers, glue guns, hot air guns, PIR motion detectors and wireless sensor systems.

STEINEL is the leader when it comes to sensor- and hot air technology. Manufacturing facilities are located at three different locations in Central Europe: Headquarters are located in Herzebrock/Germany in the state of Westphalia, and in the new production facilities in Mölkau near Leipzig as well as in Liberec in the Czech Republic. The locations in Mölkau and Liberec are the STEINEL stepping stones for the future. Both locations mainly manufacture injection molded plastics and electronic componentry, whereas the Herzebrock facility is in charge of STEINEL assembly. R + D is an absolute priority at STEINEL.

The electronics are developed in the company's own laboratory. Sophisticated measuring equipment guarantee function and performance to meet international standards. New STEINEL products and product modifications are developed with CAD support. Maximum efficiency is achieved by exchange of data within the entire process right up to production. In consequence during the constructional phase TÜV, VDE and EEC requirements already are met and implemented. In addition an in-house

approval department supervises all products. STEINEL also closely work together with private and government approval authorities and laboratories internationally.

Proven quality at an affordable price – a simple but successful concept, since product is supplied to the world marketplaces.

STEINEL exports products to more than 60 countries on all continents. The export department closely works together with independent importers or own subsidiaries.

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