



BENNING ST 710 Appliance Tester (VDE 0701-0702) mobile and network-independent testing of electrical appliances

BENNING ST 710

Battery-operated Appliance Tester for mobile testing of electrical devices

- testing in compliance with DIN VDE 0701-0702 (EN 62638), BGV A3, BetrSichV (German Health and Safety at Work Regulations), ÖVE/ÖNORM E 8701, NEN 3140
- easy - operation by means of three keys
- quick - complete testing within 10 seconds
- mobile - testing can be made network-independently

Application

Safety-related testing of electrical devices/work equipment such as e.g. electrical devices/tools with ON/OFF switch, motorized equipment, lamps, cable reels, multiple distributors and household appliances. The protective conductor current/contact current is measured by means of the **alternative leakage current measurement method**.

Features BENNING ST 710

- automatic testing procedure for devices of class I (key 1), class II/III (key 2) and line test (key 3)
- testing of cable reels, multiple distributors and device connecting cables with rubber connector
- measuring result with "pass/fail" information
- limiting values preset in compliance with DIN VDE standard
- indication of correct function key in case of incorrect operation and if the test sample is not switched on
- sufficient battery capacity (6 x 1.5 V, mignon, AA, IEC LR6) for > 2500 test samples
- three-phase test objects can be tested by means of optional measuring adapter

Measuring functions

- protective conductor resistance with a testing current of 200 mA DC and automatic polarity reversal
- insulating resistance with a testing voltage of 500 V DC
- protective conductor current and contact current by means of alternative leakage current measurement method
- voltage measurement on external shock-proof socket (L-N, L-PE, N-PE)



Forms for test certificates for "Testing of electrical devices" are available for download free of charge at www.benning.de!



Test badges



Shock-proof socket onto shock-proof plug for CM 9

16 A/32 A CEE coupling onto CEE plug, 5-pin, for CM 9

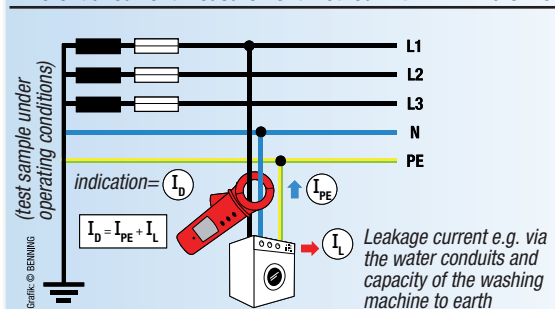
Leakage CM 9

ST 710
050309: with socket of type E (B/F/CZ/SK/PL)
050315: with socket of type CH (CH)

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	BENNING ST 710
indication	graphic display
protective conductor resistance	0.05 Ω – 20 Ω
insulating resistance (500 V DC)	0.1 MΩ – 20 MΩ
protective conductor current/contact current by means of alternative leakage current measurement method	0.1 mA – 20 mA
line test	R _{PE} , R _{ISO} : short-circuit test and continuity test of phase conductor (L) and neutral conductor (N)
voltage	50 V – 270 V
scope of delivery	carrying case, test cable with alligator clip, appliance cable, battery set
item no.	050308

Differential current measurement method with BENNING CM 9



Optional accessories for BENNING ST 710/ST 720/ST 750 A

- test badges "next test" (300 pieces) **item no. 756212**
- measuring adapters for three-phase loads (passive) (see page 9) **item no. 044122/044123**
- leakage Current Clamp BENNING CM 9 for the measurement of differential current, protective conductor current and load current of single-phase and three-phase loads (see page 7) **item no. 044065**
- measuring adapters for leakage current clamp BENNING CM 9
 - single-phase, conductors led through individually and with double insulation shock-proof socket/shock-proof plug **item no. 044131**
 - three-phase, conductors led through individually and with double insulation 16 A CEE coupling-CEE plug, 5-pin **item no. 044127**
 - 32 A CEE coupling-CEE plug, 5-pin **item no. 044128**

See page 18 + 19 for further accessories



Scope of delivery BENNING ST 710