

OVERVIEW OF THE TEST AND MEASUREMENT FUNCTIONS

DEVICE TESTERS



	BENNING ST 760+ Set	BENNING ST 755+ Set VDE 0701-0702, VDE 0751	BENNING ST 725 VDE 0701-0702
Display	Touchscreen with Qwertz keypad	Touchscreen with Qwertz keypad	Graphic display
Protective conductor resistance	1 mΩ - 20 Ω	1 mΩ - 20 Ω	0.05 Ω - 20 Ω
Insulation resistance	0.1 MΩ - 100 MΩ	0.1 MΩ - 100 MΩ	0.1 MΩ - 20 MΩ
Protective conductor/touch current via residual current and alternate leakage current processes and direct measurement	0.05 mA - 25 mA 0.05 mA - 25 mA 0.05 mA - 25 mA	0.05 mA - 25 mA 0.05 mA - 25 mA 0.05 mA - 25 mA	0.25 mA - 20 mA 0.25 mA - 20 mA 0.1 mA - 2 mA
Line test	RPE, RISO, test for short-circuit/continuity of outer conductor (L) and neutral conductor (N)		
Residual current/RCD circuit breaker Tripping time	-	-	30 mA + 150 mA 10 ms - 500 ms
Residual current test (RCD)	PRCD, RCD	PRCD, RCD	RCD
Testing of med. elect. devices	Yes	Yes	-
Testing of welding equipment	Yes	-	-
Voltage	0.1 V - 300 V	0.1 V - 300 V	50 V - 270 V
Current	0.1 A - 16 A	0.1 A - 16 A	-
Active/apparent power	20 W - 4000 W	20 W - 4000 W	-
Interface	4x USB, 1x mini USB, 1 x RJ45, 1 x SD	4x USB, 1x mini USB, 1 x RJ45, 1 x SD	Micro USB
Dimensions	405 x 330 x 165 mm	405 x 330 x 165 mm	270 x 115 x 55 mm
Weight	6 kg	6 kg	1100 g
Battery requirement	-	-	6 x 1.5 V Mignon AA
Memory spaces	~ 100,000 (SD card)	~ 100,000 (SD card)	999
Scope of supply	Software, barcode scanner, barcode labels, test badges	BENNING ST 755, software, barcode scanner, barcode labels, test badges	USB cable, download software on CD, bag, batteries, test, power, IEC cable
Article no.	4000 828 958	4000 828 959	4000 828 856

The measurement categories CAT I to CAT IV

- CAT I** Applies for measurements on circuits that are not directly connected to the mains (e.g. devices with special protection)
- CAT II** Applies for measurements on circuits that are electrically directly connected to the low-voltage grid (e.g. household appliances)
- CAT III** Applies for measurements in building installations (e.g. distributor, wiring, sockets, switches)
- CAT IV** Applies for measurements at the source of the low voltage installation (e.g. meter, main connection, primary surge protectors)

