



BENNING IT 120 B

- tester incl. carrying case/ carrying strap
- switchable probe tip
- test cable with shock-proof plug
- universal test cable, 3 x L = 1.5 m
- 3x test probe, 3x crocodile clips
- charger with 6 NiMH storage batteries (AA)
- PC software BENNING PC-Win IT 120 B
- USB and RS 232 cable



Optional accessories

Optional Accessories

- Current Clamp Adapter BENNING CC 2
(0,5 A - 20 A AC (200 A AC)
item no: 044110
- Field illuminance (lux) meter
BENNING Luxmeter Typ B
(accuracy: 5 %)
item no: 044111
- Earthing set
consisting of 2 earth rods and 3 test cables
item no: 044113

Safety Instrument BENNING IT 120 B



Installation tester for complete safety tests on electrical systems including all-current-sided FI/RCD circuit breaker type B according to DIN VDE 0100 and IEC 60364

- measurement of the protective conductor line and of the equipotential bonding line with a testing current of 200 mA
- measurement of the insulation resistance with testing voltages of 100 V, 250 V, 500 V and 1000 V
- line impedance and loop impedance measurement (optional without tripping of the RCD) with calculation of the shortcircuit current (PFC/ PSC)
- complete testing of the residual-current-operated device (RCD)
- measurement of contact voltage (without tripping), tripping time and tripping current of residual current operated device (RCD)
- phase-sequence testing in three-phase mains
- voltage measurement up to 500 V and online voltage monitoring
- all measuring functions can be selected directly by means of a rotary switch
- switchable probe tip for releasing the measuring process
- graphic display and help function with connecting diagram
- complete measuring result with measuring parameters, limiting value and symbols for PASS / FAIL
- current supply by means of 6 NiMH storage batteries (AA) with charger
- earthing measurement by means of three-wire measuring method (optionally with earthing set)
- current measurement (TRUE RMS) by means of current clamp adapter (optional)
- illumination measurement by means of lux sensor (optional)
- integrated measured value memory for 500 measurements
- USB and RS 232 interface
- BENNING PC-Win IT 120 B software included in delivery

Information:

RCDs of the type B are increasingly used for multi-phase equipment of power electronics. In case of a fault, these devices also detect smooth DC fault currents and high-frequency AC fault currents.

	BENNING IT 120 B
display	graphic display (illuminated)
low-impedance resistance	0,01 Ω - 2.000 Ω
insulation resistance	1 k Ω - 1.000 M Ω
line impedance (L-N/L)	0,01 Ω - 2.000 Ω
loop impedance (L-PE)	0,01 Ω - 2.000 Ω
short-circuit current	0,01 A - 24,4 kA
RCD testing	tripping time, tripping current, contact voltage
phase sequence	yes
voltage, frequency	1 V - 500 V, 45 Hz - 65 Hz
earth resistance	0.01 Ω - 2000 Ω (by means of earthing set)

current (TRUE RMS)	0.1 mA - 20 A (by means of the clamp)
luminous intensity	0.01 lux - 20 klux (by means of sensor)
measured value memory	500 measuring results
interfaces	USB, RS 232
incl. software	