

Machinery tester



MT 204-S Machinery tester in accordance with EN 60204-1

Functions

- Measurement of protective earth resistance
- Loop/Line impedance measurement
- Insulation resistance measurement
- Residual voltage measurement
- High-voltage test

Product information

- Measurement memory for approx. 2000 readings
- Integrated interface (USB 2.0) for transferring measurements to PC
- Separate interface (USB 2.0) for connecting a barcode scanner and keyboard
- Graphical LCD for measured values, limit values and parameters
- Wiring diagrams and limit values on device lid
- Compact carrying case
- One pair of sockets for all measurements
- Test lead compensation
- High-voltage test with adjustable value for trip current
- Optical and acoustic limit value display

Product highlights

- 10 A test current for protective earth resistance
- 0.2 A test current for protective earth resistance
- Loop/line impedance measurement up to 440 V
- Display of short circuit current (PSC)
- Insulation measurement with 250 V to 500 V test voltage
- Residual voltage measurement; display of discharge voltage/time
- Integrated high-voltage test (can be deactivated via key switch)

Technical Data

Display:	graphical LCD, 128 x 64 pixels
Display range/resolution	
Protective earth resistance: (10 A)	0.00...20.00 Ω/0.01 Ω
Max. Test current/voltage:	> 10 A / > 4 V AC
Protective earth resistance: (0.2 A)	0.00...4.00 Ω/0.01 Ω
Test current/voltage:	> 0.2 A / > 4 V AC
Loop/line impedance:	0.00...20.00 Ω/0.01 Ω
Test current:	20 A (10 ms) at 230 V
Voltage range:	190...440 V
Short circuit current:	11.5 A...23 kA
Insulation resistance:	0.00...100.0 MΩ, 0.01 MΩ, 0.1 MΩ
Test voltage/current:	250 V...500 V (in 10 V steps)/ >1 mA DC
Residual voltage measurement range:	0.0...400 V AC/DC
Measurement time:	1 s, 5 s
Time measurement range:	0...300 s
High-voltage test voltage/current:	1000 V/50 mA AC
Trip current:	5, 10, 25, 50 mA (adjustable)
Measurement memory:	up to 2000 readings
Interfaces (USB 2.0):	PC and barcode scanner
Limit value display:	optical and acoustic
Safety cert.:	IEC/EN 61010-1, EN 61557 parts 2, 3, 4
Measurement category:	CAT IV/300 V, CAT III/600V
Pollution degree:	2
Protection class:	I
Protection category:	IP 40
Power supply:	230 V +10%/-15% 50 Hz, max. 100 VA
Dimensions:	340 x 310 x 170 mm
Weight:	7 kg

Scope of supply:

- 1 x MT 204-S
- 1 x mains lead
- 2 x safety test lead, 2 m each
- 2 x test lead extension, 10 m each
- 2 x crocodile clips
- 1 x interface cable
- 1 x user manual

Accessories:

- Keyboard, USB (German Version) **KBGE-MT204S**
- Keyboard, USB (UK version) **KBUK-MT204S**
- Barcode Scanner, USB **BC-MT204S**

Ordering Information:

Description	Order No.
MT 204-S	3454632
KBGE-MT204S	3504388
KBUK-MT204S	3504395
BC-MT204S	3504407

