Mobile adjustment and test device Type 8204

8204

Description

The type 8204 mobile test device was developed especially for the needs of outer suburban traffic. It thus allows all types of voltage-limiting protective elements with a trigger value of up to 150 V.

Caution: In the case of bidirectional protective elements such as a voltage-limiting device, it is necessary to take two measurements with alternating polarity.

Function

The device is powerd from a 9V block battery. From this voltage ther is a measurement voltege generated that is increasing up to 170V on the output terminals.

After switching on the device (press "Ein/Test"-button for two seconds) please wait a few seconds until the display shows "001.0V".

After connecting the VLD with the tester, press the "Ein/Test"-button and hold it during the test down.

If you test an equipment with spark gap, you get displayed first the DC-spark over voltage and second, a few seconds later, you get displayed the arc voltage. Hold the "Ein/Test" button during all the time pressed.

If you test an equipment without a spark gap you see the measured value at the display immediately after pressing and holding "Ein/Test" button.

After ending of the measurement you press the „Aus" button to switch off the device .

Technical data

Dimensions	WxHxD 83x170x30 mm
Housing	Plastic / ABS
Type of protection	IP 40
Ambient temperature	0°C to +60°C
Power supply	9 V DC block battery
Power consumption	< 50 mA
Test voltage	DC 0 to max. 170 V (proof against short-circuits)
Voltage reduction	< 2 s from 150 V to < 50 V
Test current	1 mA (electronically limited)
Display	LCD display 3 1/2 places, up to 199.9 (with automatic polarity display)
Precision	± 5 counts
Measuring rates	2.5 measurements/s
LED displays	"Ein" (supply voltage): green
Test jacks	4 mm safety jacks (red, black)
Measuring cables	Silicon-insulated, highly flexible safety connecting cables: length 1 m
Jumper clips	Safety jumper clips Clamping range max. 30 mm

Ordering information

Type	Part No.
8204	250207

Ein

$$001.0 \ V$$

Ein/Test   Aus

Typ 8204
Artikel Nr. 250207

Mobiles Prüfgerät

ESN Bahngeräte GmbH
Voltastr.19—21* D—68199 Mannheim

Ein/Test Betätigen um das Gerät einzuschalten.

ca. 3s warten bis Anzeige < 3.0 V

Betätigt halten um die Meßspannung für den Prüfling zu generieren.
1. Wert in der Anzeige:
Zündspannung der Funkenstrecke
ca. 3s später:
2. Wert in der Anzeige:
Brennspannung der Funkenstrecke

Aus Betätigen um das Gerät auszuschalten.

LED "Ein" Gerät eingeschaltet

Achtung! Die Spannung an den Meßbuchsen kann bis zu 230V DC betragen!

Ser.—Nr.   CE

157

83,5