SCHNEIDER
MESSTECHNIK

MultiSafe DSP HS11

Two-pole high voltage tester up to 11 kV AC / 16 kV DC

The MultiSafe DSP HS11 is a two-pole high voltage tester with LED signals and precise indication of voltage level and frequency.

- Precise indication of voltages up to 11 V AC / 16 V DC
- Highest degree of safety provided by protective resistors within the GRP- tube
- Surge voltage strength > 300 kV
- Self-test for checking protective resistors and function

ICS Schneider Messtechnik GmbH
Briesestraße 59
D-16562 Hohen Neuendorf / OT Bergfelde

Tel.: 03303 / 504066
Fax: 03303 / 504068

info@ics-schneider.de
www.ics-schneider.de

SCHNEIDER
MESSTECHNIK

Application

The MultiSafe DSP HS11 is a two-pole voltage tester for alternating voltages up to 11 kV and direct voltages up to 16 kV.

It is particularly suitable to detect voltage quickly and securely at capacitor banks and links of converters, as well as at feeders for railway systems.

Voltage level, polarity and frequency are indicated by several systems.

Safety

Due to moulded protective resistors the MultiSafe DSP HS11 has a tested surge voltage strength of > 300 kV.
The obligatory self-test assures function before voltage testing.

Easy operation

Easy operation due to one-button control. The result is clearly indicated by LEDs and on the display.

Three readout systems

- LEDs red for voltage, green for standby and absence of voltage
- Display for voltage level, frequency, as well as type of voltage and polarity
- Acoustic signal indicates voltage > 50 V AC / 120 V DC

Indication of absence of voltage

With voltage the LCD backlight changes color to red

Robust design

High-quality elements guarantee function and safety under extreme conditions:

- Impact resistant plastic casing and break-proof display cover
- Dust- and waterproof (IP 65, approved for operation in outdoor areas)
- Twin insulated PUR control cable, currogated tube for additional mechanical protection
- High-tension probes made of glass fibre-reinforced plastic with moulded resistor decade

Test electrodes

(Accessories are not included in scope of delivery)

- Test electrodes

i G Y

i: Semicircular standard electrode for conductor rails and test holes

Other shapes of electrodes on request:
G: Peaked with thread M5 for special applications
Y: Bifurcated for fixed ball points or overhead lines

Accessories

(Accessories are not included in scope of delivery)

Solid box for transportation and storage

Bag with ring bolt and shoulder belt

Art.-no.	Type / Label
89304	MultiSafe DSP HS11-i*
84330	Solid box 124 x 27 x 12 cm / 6,9 kg
84331	Bag 111 x 28 cm

* shape of electrodes: -Y, -G, please specify

Technical data

Two-pole high voltage tester MultiSafe DSP HS11

Nominal voltage range

50 ... 11000 V AC / 16000 V DC

Frequency

0 ... 500 Hz

Input resistance

55,8 MΩ

Measurement current

0,29 mA bei 16000 V DC

Surge voltage strength

> 300 kV (VDE test report available)

Indicator group

I and III

Display

1. Red LED for voltage > 50 V AC / 120 V DC green LED for standby / absence of voltage
2. Two-line LCD with backlight white /red for indication of voltage, frequency, type of voltage and battery condition
3. Acoustic signal at > 50 V AC / 120 V DC

Measurement range / limit deviation

50 ... 1000 V DC ± 2,5% + 5 digits
50 ... 1000 V AC ± 5% + 10 digits
1,01 ... 16,00 (16,50) kV DC ± 2,5% + 5 digits
1,01 ... 11,00 (12,00) kV AC ± 5% + 10 digits

On-time

15 min, auto-off when voltage-free

Construction

for indoor and outdoor installations
IP 65, device can be used in moist environments

Operating temperature

– 15°C ... + 55°C

Self-test

testing function and protective resistors obligatory before indication of measurement results

Power supply

9 V block IEC 6LR61 / 6LF22 / 6LP3146 alkali-manganese, multi-stage battery indicator

Design

- Two-pole voltage tester with firmly attached high-tension probes made of GRP with moulded resistor decades, approx. 27,9 MΩ each probe
- Impact resistant, dust-proof plastic casing with unbreakable display cover, protection category IP 65
- Twin insulated PUR control cable
- Connection line additionally protected by currogated tube

Standards

EN/IEC 61243-2 high voltage tester
EN/IEC 60071 surge voltage strength
further applied standards:
EN/IEC 61010 and EN 50110-1 (VDE 0105-1)
(further details see risk analysis)

Test label

date of the next examination on the sticker
repeated inspection at least every 6 years

Dimensions / Weight

1150 x 200 x 60 mm / 1,0 kg
length of test probes 675 mm

ICS Schneider Messtechnik GmbH
Briesestraße 59
D-16562 Hohen Neuendorf / OT Bergfelde

Tel.: 03303 / 504066
Fax: 03303 / 504068

info@ics-schneider.de
www.ics-schneider.de