

MultiSafe DSP 3HS36

Compact high voltage tester up to 36 kV

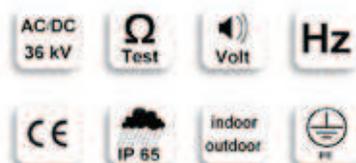


Compact, lightweight and dismantable

With the MultiSafe DSP 3HS36 voltages up to 36 kV against ground can be tested quickly and safely.

Additionally, voltage level and frequency are indicated on the two-line display.

- Precise indication of voltages up to 36 V AC / DC and frequency 0 - 200 Hz
- Highest degree of safety provided by moulded protective resistors within the double-walled GRP-tube surge voltage strength >300 kV
- Dismantable for easy transportation



Application

The MultiSafe DSP 3HS36 is a two-pole voltage tester for alternating and direct voltages up to 36 kV against ground.

It is particularly suitable to detect voltages at capacitor banks and rail converter systems with frequencies between 0-200 Hz quickly and securely.

Voltage is signalled by three red LEDs and the value is indicated digital on the LCD. Simultaneously, the upper display line indicates the mains frequency.

Design

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

- High-tension test probe with moulded resistor decade made of glass double-walled plastic tube
- Water and dust proof display part made of ABS with unbreakable display cover
- Twin insulated line with large universal clip for secure grounding
- Modular design with impact resistant, glass fibre-reinforced plastic tube, dismantlable in basic pipe, test probe and display part with line and clip

Safety

Maximum safety is provided by high surge voltage strength, integrated self-test and the certified display part.

The MultiSafe DSP 3HS36 is equipped with moulded protective resistors with surge voltage strength of > 300 kV.



Simultaneous indication of mains frequency and voltage at the large, illuminated display

Easy operation

Fully automated test procedures obviate operating errors:

- Self-test indicates with green LED + "rdy"
- Voltage is indicated by red LEDs, the LCD and an acoustic signal
- Voltage, frequency, battery condition, type of voltage and polarity are simultaneously indicated on the large backlit LCD

High variability

Exchangeable test electrodes: The high voltage tester DSP 3HS36 will be delivered with a standard test electrode i.

Electrodes optionally:



Standard: Semicircular (i) for conductor rails and test holes

Alternative: Peaked with thread M5 (G) for special applications, Bifurcated (Y) for fixed ball points or overhead lines

Technical data

Two-pole high voltage tester
MultiSafe DSP 3HS36

Nominal voltage range	50 ... 36000 V AC / DC
Display	1. three red LEDs for voltage >50 V and green LED for standby 2. two-line LC-display with backlight for indication of voltage, frequency, type of voltage and battery condition 3. acoustic signal >50 V AC / 120 V DC
Indicator group	I and III
Measurement ranges / Accuracy	40 ... 1000 V AC/DC ± 5% + 10 digits resolution 1 V 1,0 ... 9,9 kV AC/DC ± 5% + 10 digits resolution 10 V 10 ... 36 kV AC/DC ± 5% + 10 digits resolution 100 V automatic range switching
Frequency range	0 ... 200 Hz
Input resistance	119 MΩ
Current peak value	< 0,4 mA at 36000 V
On-time	15 minutes
Self-test	Function, grounding and protective resistors
Surge voltage strength	> 300 kV (VDE test report available)
Construction	for indoor and outdoor installations IP 65, device can be used in moist environments
Operating temperature	-10°C ... + 55°C
Power supply	9 V block IEC 6 LR61 alkali-manganese indication of battery condition
Design	<ul style="list-style-type: none"> • Two-pole voltage tester with fixed connection to ground • Two-piece high-tension test probes, screwable, made of double-walled GRP-tube with moulded resistor decade • Display part made of impact resistant, dust proof plastic casing IP 65 with unbreakable display cover • 6 m PUR high voltage cable with universal clip for conductor bars and fixed ball points up to 25 mm
Standards	EN/IEC 61243-2 high voltage tester EN/IEC 60071 surge voltage strength further applied standards: EN/IEC 61010 and VDE 0105-100 (further details see risk analysis)
Test label	of the last checking on the device
Dimensions/weight	2,1 kg / approx. 1430 x 100 x 100 mm Transportation length demounted 900 mm
Article number	Type / Label
89308	MultiSafe DSP HS36-*
84330	Solid box 124 x 27 x 12 cm
*shape of electrodes: -i, -Y, -G, please specify	



Solid box with aluminium frame 124 x 27 x 12 cm