

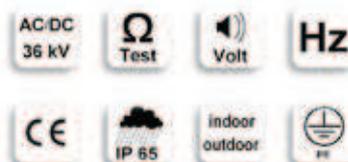
MultiSafe DSP 3TT36

Telescope voltage tester for catenary lines up to 36 kV



With the MultiSafe DSP 3TT36 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.

- For test heights up to 6,2 m variable height adjustment
- 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 >150 kV



Application

The MultiSafe DSP 3TT36 is a two-pole High voltage tester for alternating and direct voltages up to 36 kV against ground. It is particularly suitable to detect voltages quickly and securely at capacitor banks and rail converter systems.

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:

- Telescope-tube with variable height adjustment 1,75 - 5,2 m
- moulded resistor decade within GRP-tube
- Water and dust proof display part made of ABS with unbreakable display cover
- Twin insulated line with clip for secure connection to rail

Safety

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

The MultiSafe DSP 3TT36 is equipped with moulded protective resistors with surge voltage strength of >150 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 with backlight and an acoustic signal
- Voltage, frequency, battery condition, type of voltage and polarity are simultaneously indicated on the large backlit LCD

Electrode

Exchangeable test electrode for wires up to 15 mm



Other shapes on request

Accessories

- Artificial leather bag with carrying strap



Variable locking

Technical data

Two-pole High voltage tester
MultiSafe DSP 3TT36

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 $\pm 5\%$ + 10 digits resolution 1 V
1,0 ... 9,9 kV AC/DC $\pm 5\%$ + 10 digits resolution 10 V
10 ... 36 kV AC/DC $\pm 5\%$ + 10 digits resolution 100 V
automatic range switching

Frequency range

0 ... 200 Hz

Input resistance

119 M Ω

Current peak value

< 0,4 mA at 36000 V

On-time

15 minutes, auto-off when tension-free

Self-test

Function, grounding and protective resistors

Surge voltage strength

>150 kV

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

- Two-pole voltage tester with fixed connection to ground
- Two-piece telescope high-tension test probe, 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 clamp for rail foot

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

1740 x 120 x 110 mm
run-out length up to 5,2 m
device incl. line and magnet approx. 2,3 kg
device with clamp approx. 2,6 kg

Article number	Type / Label
89309	MultiSafe DSP TT36
84332	Bag TT-KLT 176 x 24 cm