

**DESITEK**

Member of DEHN group

## DESITEK A/S

Sunekaer 8

DK-5471 Soendersoe

Phone: +45 63893210

Fax: +45 63893220

desitek@desitek.dk

www.desitek.dk



# Tietzsch

Measurement + testing devices

## ProfiSafe LSP 3

*Voltage tester*



LSP 3 - 400

**NEW:**  
secure voltage indication  
with power supply from the mains  
now functioning without  
solar cell, accumulator or battery



LSP 3 - 690

The **ProfiSafe LSP 3** is an absolutely safe and manageable tester without battery – maintenance-free and environmentally friendly.

- Secure voltage indication **NEW** without own energy source power supply from the mains
- Phase, phase sequence and continuity test maintenance-free due to **solar cell + accumulator**
- Surge voltage strength - **CAT IV**
- Robust casing  
Water and dust proof - **IP 65**



EN/IEC 61243-3

# ProfiSafe LSP 3

## Voltage tester



### Five test-functions

#### Fast and safe testing of:

- Direct and alternating voltage
- Continuity/ diodes
- Polarity
- Phase
- Phase sequence

### Maintenance-free

#### LSP - Lithium-Solar-Power for lifelong indication of continuity and phase sequence

- always successful operation of voltage test also without accumulator and solar cell (power supply from the mains)
- power supply for additional options from solar cell and maximum power accumulator
- No battery required, environmentally friendly

### Highest level of safety

- With CAT IV the device is rated to the highest surge voltage category and can be used for operation in all ranges of power engineering.
- The ProfiSafe has been tested and certified by VDE.

### Robust design

#### High quality elements guarantee function and safety even under extreme conditions:

- impact-proof plastic casing
- dust and water proof (IP65, approved for external areas)
- spring-moulded test contacts
- double-insulated rubber hose

### Extensive protective features

- Adapter for test lines and 4 mm standard plugs
- Extension for tests on overhead lines
- Extension for test objects that are difficult to reach
- Case

### Clearly defined signals

#### Unambiguous and fast recognition:

- Red round illuminated symbols for voltage
- Red triangle for phase and phase sequence
- Green rectangle for continuity



Simply touch on the sensor to check phase and phase sequence

### Technical data

Two-pole voltage and continuity tester  
Profi Safe LSP 3, tested and certified in accordance with EN/IEC 61243-3 (VDE 0682 part 401)

#### Model / Voltage steps

LSP 3 - 400 / 12, 24, 50, 230, 400 V  
LSP 3 - 690 / 24, 50, 230, 400, 690 V

#### Nominal Voltage

12 ... 400 V AC / DC  
24 ... 690 V AC / DC

#### Frequency

0 ... 2.000 Hz

#### Input resistance

LSP 400: 117

kΩ

ΛΣΠ

690: 202 kΩ

#### Current

≥ 3,4 mA

#### On-time

30 s

#### Indication of voltage

7 red LED for voltage in 6 steps  
and type of voltage + - ~

#### Indication of phase / phase sequence

red triangle LED for phase unipolar and  
phase sequence double-pole with sensor

#### Indication of continuity / diodes

green rectangle LED for indication of  
continuity 0 ... 500 kΩ

#### Surge voltage strength

12 kV, case insulation to users  
12 kV, circuit between electrodes

#### Insulation test voltage

6 kV routine test casing insulation

#### Surge voltage category

CAT IV according with IEC 60664-1 (VDE 0110)

#### Operation temperature

-10 ... + 55°

#### Power supply

For voltage test from the mains.  
Solar cell and integrated lithium accumulator  
- for functions continuity / phase / phase  
sequence maintenance-free - without battery

#### Casing

ABS impact-proof, test electrodes spring-  
moulded, contact electrodes (Pol-L1-Sensor)

#### Protection class

IP 65, outdoor type

#### Connection lead

Rubber hose, H07RN-F  
highly flexible, 1 m

#### Dimensions/ weight

231 x 48 x 37 mm (device with display)  
170 g

Subject to technical changes 01-2007. Made in Germany.



EN/IEC 61243-3



**Tietzsch**

Measurement + testing devices

Quality creates safety.

**DESITEK**

### DESITEK A/S

Sunekaer 8  
DK-5471 Soendersoe  
Phone: +45 63893210  
Fax: +45 63893220  
desitek@desitek.dk  
www.desitek.dk

Member of DEHN group