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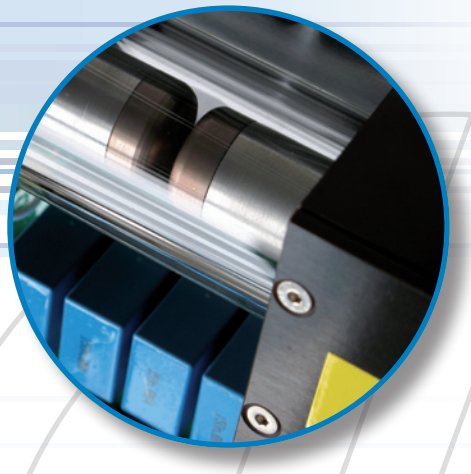

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MOBILE SURGE GENERATOR

Mobile Surge Generator M10

Surges are caused by direct or indirect lightning strokes into an electric circuit or transient overvoltages due to short-circuits or switching operations of inductive loads. This leads to currents or electromagnetic fields which generate strong voltage or current transients. Over-voltages and currents can reach several thousand volt and several thousand ampere.

The mobile and easy to transport surge generator is perfectly suited for application at customer trainings and presentations as well as life-demonstrations and fast and simple tests of gas-filled surge arresters and surge arresters with isolating spark gaps and varistors.

Due to its robust flightcase with a heavy-duty pull-out handle, two casters and two recessed flip handles the mobile surge generator is perfectly protected and easy to transport.

- Easy and safe to operate with remote triggering via cable
- Compact and lightweight design with all functions aboard

The device is especially suitable to underline your presentation with the right sound effect.

Technical data of the case

External dimensions approx.:	(W x D x H) 550 x 354 x 270 mm
Internal dimensions incl. top:	(W x D x H) 476 x 280 x 196 mm
Volume:	26 litre
Weight of the case:	11 kg
Total weight:	38 kg
Panel material:	7 mm birch plywood with black PVC coating, 20 mm aluminium edge linings
Base frame height outside:	approx. 145 mm

Demountable hood

Equipment :

2x recessed flip handle, half height

2x rubber pads 38 x 30 mm

1x pull-out handle, steel, heavy duty

1x pair casters with a diameter of 75 mm; load approx. 80 kg/pair

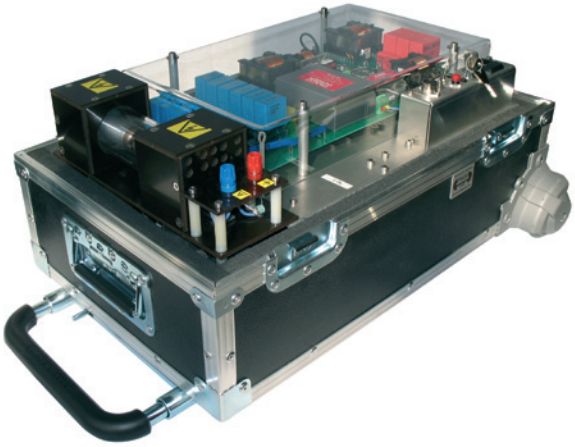
2x slide foot for 75 mm rolls

4x medial, recessed butterfly latches (on request lockable)

Small stackable ball corners

Inner surfaces coated with 20 mm thick foamed material

Height of the lower part 120 mm



Ordering data:
Item number: 87 01 10
Item description: M10 Surge Generator

Technical data of the surge generator

1. Charging voltage: 10 kV
2. Stored energy E: 500 J
3. Charge Q: 0.1 As
4. Pulse shape: 5/15 µs
5. Peake current: 8 kA
6. Remote triggering via cable
7. Ignition of the isolating spark gap is visible through a glass tube

Suited for the testing of gas discharge tubes (GDT), isolating spark gaps and varistors.

Shipment includes:

- Power supply cable 1.5 m
- Lock and key

Quick reference guide for mobile surge generators

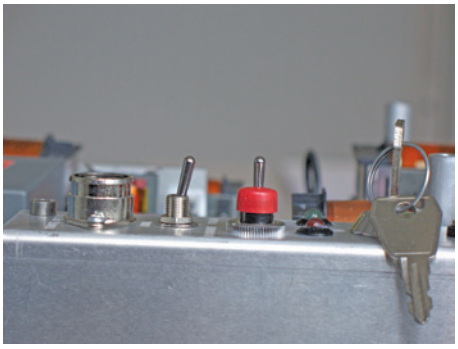
1. Connect the specimen via the cables
2. Red connector: ground
3. Blue connector: voltage
   Warning: The mobile surge generator must not be switched on if no specimen is connected!
4. The LOCAL switch points downwards. This is valid for manual operation without REMOTE CONTROL.
5. Insert power cable and connect to mains.
6. Switch the device on with the key. Turn the key clockwise to ON.
7. Charge: Switch the toggle switch CHARGE to the right. Charging takes approx. 10 seconds. The green LED is lit when the charging process is completed.
8. Wait another 10 seconds, and then switch the toggle switch CHARGE back to the left.
9. To discharge press the red button “DISCHARGE”
   Warning: Do not discharge the surge generator if no specimen is connected!

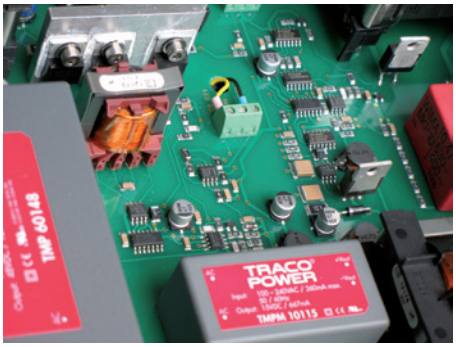
If the device does not trigger when the red button is pressed, turn the key counterclockwise to switch off the power.

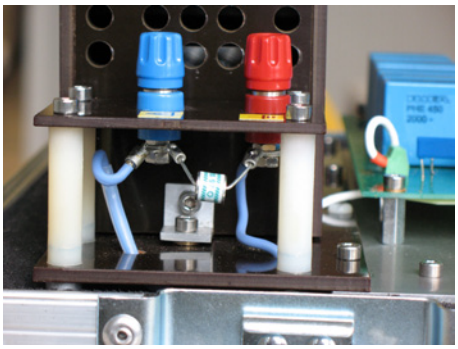
The capacitors need at least 20 minutes to discharge themselves.

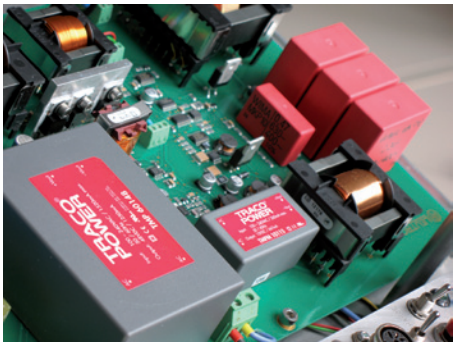
Afterwards the generator has to be bridged for security reasons. Do not touch the device beforehand.

The mobile surge generator may only be handled by especially trained personnel.









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LIGHTNING AND SURGE PROTECTION

GAUSSSTR. 2

D-70771 LEINFELDEN-ECHTERDINGEN

T: +49-(0)711-94771-0

F: +49-(0)711-94771-70

INFO@LEUTRON.DE

WWW.LEUTRON.DE

WWW.LEUTRON.DE