

# Cable selection set

The **CableSelect** cable selection set is used for positive selection of single cable or line from a bundle of cables. For positive selection, unipolar current impulses are sent into the line under test. The receiver and the clip-on instrument are used for measuring the intensity and the polarity of these current impulses. All other cables have a weaker signal with an inverted polarity. Due to the use of the cable selection set wrong cable cuts will be avoided. The CableSelect impulse generator S11 is used for non-live power, signal and low voltage cables. The CableSelect G100 generator is used for live low voltage cables. Thanks to their

compact size and insulated design, both of these generators can be placed in closed distribution cabinets, so a supervising person won't be necessary during cable selection.

The cable selection set consists of the following devices:

- **Impulse generator S11** sends impulses into the non-live cables
- **The receiver S10** allows the identification of a cable
- **Flexible probe** to receive the selection pulse
- **Optional: The CableSelect G100** is used as impulse generator for live low voltage cables.



- *Small, handy, effective*
- *Safe and quick cable selection*

## SCOPE OF SUPPLY

- bag (LxWxH) 350 x 460 x 165mm
- receiver S10
- flexible measuring probe
- 4 batteries LR6
- pulse generator S11
- set of connecting cables
- car outlet socket
- set of crocodile clips
- user manuals

## SCOPE OF SUPPLY OPTION

- LV selection generator G100
- user manual
- set of connecting cables
- fuse holder with power fuse 16A



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## CableSelect S10



### FEATURES

- four different amplification levels, continuous setting of intermediate values
- cables with a loop resistance of approximately  $450\ \Omega$  can be selected
- automatic adaptation to different clamps
- flexible clamp (Rogowski coil)

### SPECIFICATIONS

#### Specific characteristics

- sensitivity \_\_\_\_\_ selection of cable with approx.  $450\ \Omega$  loop, resistance possible
- amplification \_\_\_\_\_ four steps

#### Power supply

- supply voltage \_\_\_\_\_ 4 batteries type LR6, Size AA

#### Mechanical data

- dimensions (L x W x H) in mm \_\_\_\_\_  $200 \times 110 \times 140$
- weight \_\_\_\_\_ approx. 0.7 kg

## CableSelect S11



### FEATURES

- power supply from an external 12 V source (e.g. car battery) or from a 230 V socket
- application in deenergised cables
- rugged housing
- compact design enables operation in cable distribution cabinets with closed doors

### SPECIFICATIONS

#### Operation modes

- pulse current \_\_\_\_\_ approx. 55 A
- pulse voltage \_\_\_\_\_ approx. 40 V

#### Power supply

- mains voltage \_\_\_\_\_ 230 V, 50 Hz
- power consumption max. 25 VA
- internal rechargeable battery 12 V / 2 Ah
- external DC voltage 12 – 18 V

#### Mechanical data

- dimensions (L x W x H) in mm \_\_\_\_\_  $210 \times 160 \times 80$
- weight (incl. battery) approx. 2 kg

## CableSelect G100



### FEATURES

- high capacity with 100 A impulse current and extended pulse width
- large signal-to-noise ratio; therefore a selection is also possible in strong asymmetrically loaded networks with strong interference signals (cities and industrial areas)
- a strong measurement impulse allows the use of different flexible clamps and enables the use and an uncomplicated measurement even in case of small spaces and in cable harnesses

### SPECIFICATIONS

#### Operation modes

- pulse current \_\_\_\_\_ 50 A / 100 A
- pulse repetition \_\_\_\_\_ approx. 4s period
- polarity \_\_\_\_\_ adjustable

#### Power supply

- supply voltage \_\_\_\_\_ 230 V, 50 Hz
- power consumption max. 50 VA

#### Mechanical data

- dimensions (L x W x H) in mm \_\_\_\_\_  $245 \times 80 \times 85$
- weight \_\_\_\_\_ approx. 1 kg



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