



AL NT

Cable and phase identification

Benefits:

- ▶ **Highest reliability due to digital signal transmission, automatic calibration and computerised evaluation algorithms**
- ▶ **Automatic sensor and connection recognition avoids operation errors**
- ▶ **High flexibility with direct connection and inductive coupling**



Description

The AL NT Cable and Phase Identification Instrument is designed as safe and reliable tool for the field work. This unit combines all necessary functions for detecting the target cable out of a bundle of cables in trenches or cable trays and it will positively identify and match unknown phases for reliable network installation and operation. The AL NT is available in three versions to conveniently adapt to customer needs and is designed for rugged field use.

The new NT-impulse method was especially developed for comfortable and reliable identification in all types of de energized cables and provides identification in energised LV cables.

Under certain conditions, the „twisted-field-method“ offers advantages and therefore is include in all three versions and the corresponding Surface-Sensor is included in the standard scope of delivery.

Features

- ▶ High reliability due to online-communication of generator and receiver with digital NT-impulse technology
- ▶ Comfortable and self-explaining operation with automatic calibration of various sensors
- ▶ Evaluation algorithms with DSP (Digital Signal Processing)
- ▶ Cable selection on energised and de-energised cables
- ▶ Direct galvanic or inductive coupling of the signal to the test object
- ▶ Internal rechargeable battery with built-in charger, operation from 230 V AC mains or 12 V DC car adapter
- ▶ Battery status of generator displayed on receiver
- ▶ Standard flexible coupler clamp
- ▶ Receiver conveniently stored and charged in generator case
- ▶ Three version available to suit operators needs
- ▶ Robust and ergonomic design

Optional Accessories

- ▶ Solid coupler clamp (110 mm inner diameter)
- ▶ 12 V DC car adapter

Technical Data

| | |
|------------------------|--|
| Display | 128 x 64 pixel monochrome |
| Operation | Rain tight membrane keypad |
| Power supply | Internal rechargeable battery, 12 V DC or 230 V AC mains |
| Battery Charger | Built-in |
| Operating time | > 3h (generator on rech. batt.) > 7h (receiver–full working day!) |
| Charging time | < 4 h |
| Protection class | IP 54 |
| Voltage withstand | 240 V AC |
| Operating temperature | -10 °C ... +55 °C |
| Weight | 11 kg (incl. receiver (0.5 kg), flexible coupler and standard leads) |
| Dimensions (W x H x D) | 410 x 175 x 335 mm |

Options

Version -S

- Cable identification on de-energised cables with
- ▶ NT-impulse method
 - ▶ „Twisted-Field-Method“ using audio frequency
 - ▶ Single phase connection

Version -V

- identical to Version -S but including
- ▶ Cable identification on energised low voltage cables

Version -VP

- identical to Version -V but including
- ▶ Simultaneous three-phase cable identification
 - ▶ Phase identification on de-energised cables

Scope of Delivery

- ▶ ALS NT generator (according to ordered version)
- ▶ ALE NT receiver
- ▶ Flexible coupler clamp (120 mm inner diameter)
- ▶ Surface-Sensor
- ▶ Connecting leads
- ▶ Operating manual

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