

## Linetester LT1

**For more info consult LT1 Manual.** Download in PDF-Format from [www.sienic.de](http://www.sienic.de).

In manufacturing and, first of all, in the logistics the application of inductive wire guidance systems (WGS) are generally applied. A failure of WGS, e.g. a failure of all WG-vehicles by guide wire break, can cause to expensive delays.

The described test device LT1 serves the quick proof and if necessary to point out the disturbance, whose cause lies in the guide wire. Also non-specialists can point out the disturbances.

### Possibilities of Applications of LT1.

- General functional test of the guide wire;
- Localization of locations of break in the guide wire;
- Measurement of a standardized guide wire current directly above the guide wire;
- Proof of deep changes of the guide wire in the ground;
- Measurement of lateral deformations of magnetic field line.

### Scope of Supply

- Test device LT1;
- Adapter cable for accessory equipment (3.5mm jack plug– 3x banana plug);
- Antenna for e-field-measurement (approx. 70 mm);
- Battery 9 V Type PP3 (9 V of block battery);
- Heights-distance blocks (Styropor);
- Manual.



Original size

### Technical Data:

**Hint:** Results are not indicated to [A/m] or [V/m] like usually for h- or e-field measuring instruments. LT1 was developed specially for inductive guided systems. h-field measurements are standardised to a guide wire current. e-field measurements are used for localizations of breaks of wires (change of e-field signal over the location of fracture).

Measuring principle:	Magnetic field (h field) vertical component to front-plate; Electric field (e field) via 70 mm antenna on 2 mm connector;
Frequency range	4 kHz – 10 kHz;
Analogue display:	Indicator for h-field, e-field and battery-test;
Signal-output:	3.5mm connector socket. AC/DC signal output for h- and e-field.
Power consumption:	typically 2.5 mA at 6...10 V=
Battery:	9 volts block battery Type PP3. Operating time approx 150 hours per battery;
Manufactur method:	SMT, thereby compact construction.
Dimensions:	DxWxH / mm 108 x 61 x 45 incl. operating elements without e-field antenna;
Weight:	150 grammes;

Delivery time on request.