

Inline-Detector IS-01

The Inline-Detector IS-01 is for localisation of direct house connection lines and for current-carrying lines at the close-up range*.

The application is basically planned for detecting cross running electrical underground-cables at rearranging gas supply lines.

To do this the inline-measurement probe has to slide through the gas supply lines. Electric lines in a distance up to 20 cm of the measurement probe can be detected by this way.

The detection is based on measuring magnetic fields which are inducted by error currents and imbalances in the immediate vicinity of current-carrying lines.

* The close-up range equates to a distance up to 10 cm.



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Technical Specifications: Inline-Detector IS-01

Working principle:	<ul style="list-style-type: none"> › Measurement of magnetic fields in the close-up range of electric lines (altering current, 50 Hz) › Calculating the distance of the measurement probe to electric lines
Detectable distances: <ul style="list-style-type: none"> • Direct house connection lines • Current carrying lines (50Hz power cable) 	5 ... 40 cm 2 ... 10 cm
Operating temperature range:	0 °C ... 35 °C
Measurement uncertainty:	< 10 % (up to a distance of 20 cm)
Measurement probe adaptor:	For gas supply lines with a diameter of 63 mm as well as 110 mm. - other diameters also available.
Internal power supply:	4 round batteries LR 14 (DIN IEC 86 T1) or 4 NiMH round cells R 14 (DIN 40729) (Low-Battery-Status is displayed the LCD-display)
External power supply:	Operating voltage 12 ... 15 V, 500 mA DC (plug-in power supply or car-battery adaptor)
Operating time with an battery-set:	approx. 50 hours
Disposable measurement probe:	By a 15 m cable with scaled dimensioning printed on the cable.
PC- connection:	Over RS 232
Display:	Needle-indication instrument for cable detection LCD- Display for distance calculation
Dimensions:	Basic device: 240 x 200 x 80 mm (LxWxH) Measurement probe: - 20 mm diameter - 15 m length
Weight:	Basic device: 2,6 kg Measurement probe: 2,0 kg (incl. 15 m cable)

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