

- Robust and handy
- Lightweight
- Simple to use
- Audio coding of field polarity
- Dynamic / static detection steps

SC 100 C Iron locator



■ Application

The SC 100 C is a handy iron locator in longterm stable and innovative differential probe technology.

It detects magnetic anomalies in the normal magnetic field of the earth, as caused by buried ferromagnetic objects. The detection range of the locator depends on the size, position and magnetic signature of the objects to be detected.

■ Mode of operation

The probe is moved in wide sweeping movements over the ground. As soon as the locator's probe is moved into the vicinity of a ferromagnetic object, the local field distortion is converted into an audible alarm. The audio coding of the field polarity (pulsating/continuous) indicates the magnetic polarity (north or south pole) of the object to be detected.

Two dynamic detection steps are foreseen for fast subsurface localization of ferromagnetic parts. In this mode continuous magnetic interferences e.g. mineralized soil or fences can be suppressed to certain limits.

In the static mode the indication of deep buried ferromagnetic objects is provided by an audible signal, which rises in intensity as the detector approaches the target.

■ Delivery content

- Locator SC 100 C
- 9V battery

■ Optional accessories

- Test stick
- Rechargeable LiPol battery (6F22)
- Charger
- Soft bag
- Handgrip and armrest

■ Constructional features

The SC 100 C is a bar-type device containing sensors which are connected in differential mode, an electronics and the battery compartment.

The locator is put into operation by switching the rotary adjuster into one of the 3 sensitivity steps.

The detection signals are transmitted by a built-in piezo loudspeaker, which indicates the detected magnetic field by a continuous or pulsating increasing audio signal informing about the detected intensity and polarity.



Technical Data

Power supply	9V battery (IEC) 6LR61 or rechargeable NiMH battery 9V/250mAh or LiPol 9 V/550 mA
Operation time*	approx. 14 h continuous operation with alkaline battery approx. 7 h with Ni-MH battery
Sensitivity	100 nT; Audio resolution approx. 15 nT in step 3
Audio signal	Audio alarm approx. 1 Hz – 1,5 kHz
Temperature range	approx. -20 °C to + 55 °C
Length	approx. 1100 mm
Weight	approx. 850 g with battery

*Depending on temperature and battery quality

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