MetalliFinder Pro

Laserliner®

MetalliFinder Pro

0 — 0

25 — 25

READY

50 — 50

MM 75 — 75 MM

SET — OFF — MODE

CAL

Laserliner®
Innovation in Tools
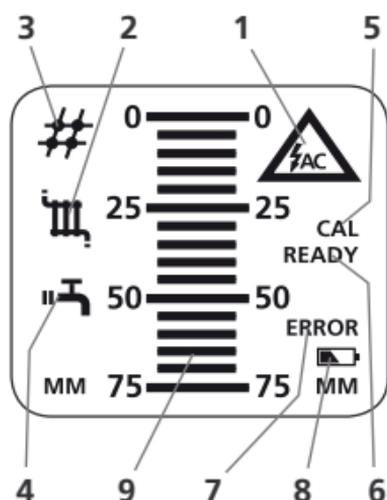
Laserliner®
Innovation in Tools

Operating elements

a LED Measuring centre

b LED „Current (AC) found"

c Set button: Change over material types – iron pipes, structural steel, copper pipes.

d ON/OFF button/ Toggle between scan modes: AC voltage search, metal search

e Calibration button

f Back: Battery cover

LC-Display

1 Symbol: AC Search activated (AC)

2 Symbol Metal Search: iron pipes activated

3 Symbol Metal Search: structural steel activated

4 Symbol Metal Search: copper pipes activated

5 Calibration symbol (CAL)

6 Symbol: Auto-test completed (READY)

7 Symbol: Auto-test error (ERROR)

8 Low battery display

9 Depth display in mm, bar display

Operation

1. Battery exchange:

Open the battery compartment on the back of the tool and connect up a new 9V battery (type 6LR 61). If the symbol 8.) appears in the display, you should replace the battery as soon as possible.

2. Switching-on and detection:

The MetalliFinder Pro can detect metals up to a depth of 75 mm and also localise live wires. For safety reasons, the AC voltage warning is always active. The „Voltage (AC) found" LED (b) lights up if a live line is located within the measuring range.

MetalliFinder Pro

Metal Search:

Press the ON/OFF button (d.) in order to activate Metal Search. When Metal Search is activated, the symbol for the selected mode (2. - 4.) appears in the display.

AC Search AC:

Press the ON/OFF button (d.) in order to activate AC Search. When AC Search is activated, the AC symbol (1.) appears in the display.

3. Calibration:

Press the CAL (e.) button to automatically calibrate the tool in the selected mode. The CAL (5.) symbol appears for about 2 secs. in the display. When calibration has been successfully completed, the symbol READY (6.) is displayed, if an error has occurred, this is indicated by the symbol ERROR (7.).

Tip 1: Calibration error: If calibration is unsuccessful, this is probably because the tool is located directly above an object of the kind being searched for. Move the device to a different position on the surface and try calibrating once more.

Tip 2: Detection error: To avoid detection errors, the MetalliFinder should be kept in contact with the relevant surface throughout the detection process.

4. Switching-off:

Press the Set and ON/OFF buttons (c, d) simultaneously. The tool automatically switches off about 2 minutes after the last search operation.
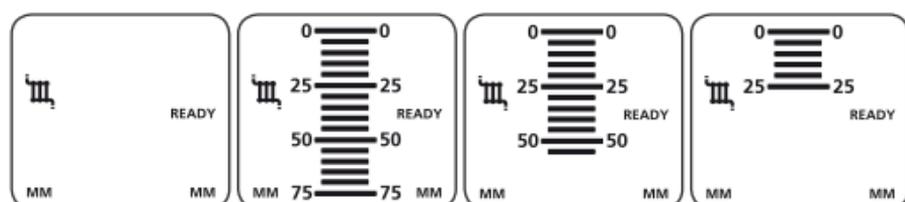
Scan modes:

A. Metal Search, Depth Measurement:

Metal Search offers three different detection modes which are optimised for the different materials concerned. Select the desired mode using the set button (c.).

$\#$ Structural steel Ⅲ Iron pipes   Copper pipes

Your selection is shown on the display by means of symbols (2) to (4).

After successful calibration, the depth display 9.) indicates as follows as metal is approached:
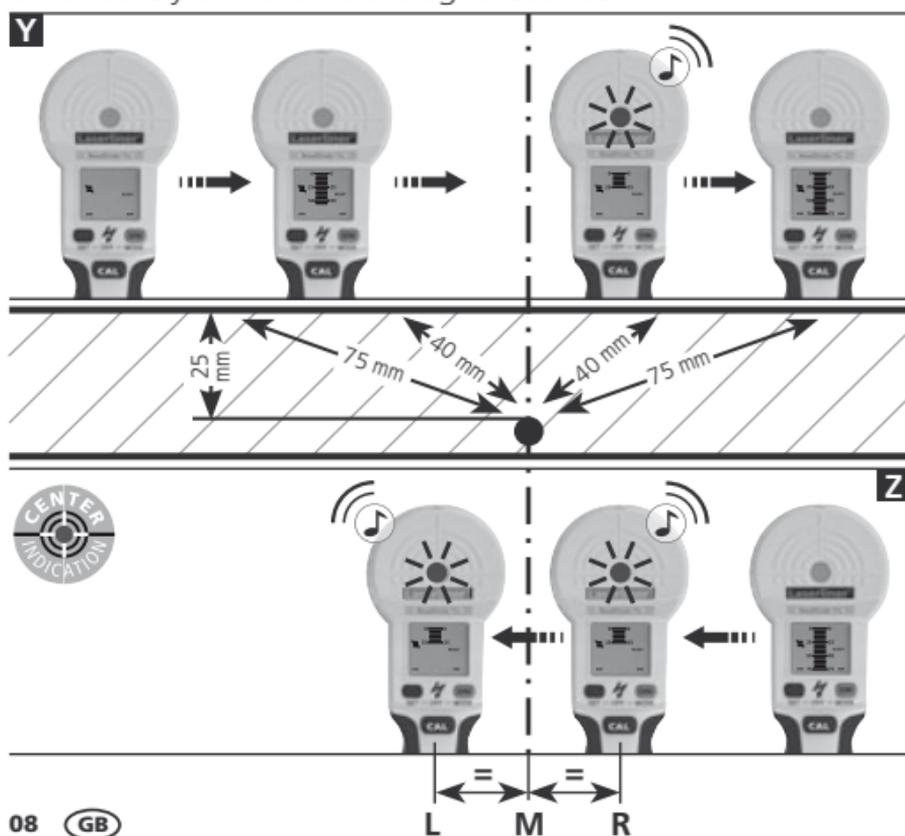

Metal detection begins at a distance of about 75mm. The indicated value lessens as the tool approaches further, until it is located directly above the metal object. In this position, the distance to the metal object, i.e. the depth, is displayed (e.g. about 25mm).

Tip 3: Localisation of metal:
Because of its high sensitivity, the MetalliFinder Pro can normally detect objects in a broad radius beneath the relevant surface. If you want to determine the actual centre of the hidden object, you must move the MetalliFinder from both left and right towards the object.

A *First of all, move the device across the surface until the Measuring centre LED (1) lights up briefly and an acoustic signal sounds once.*
B *Next, move the device in the other direction. When the device is above the target object, the LED (1) lights up continuously and a constant signal sounds.*

The device now indicates the start and end of the target object.

Mark the positions on the left (L) and right (R) side of the object (depth display (9) at smallest depth). The actual middle (M) of the object is halfway between the two markings.

B. AC Search (AC):

This mode can be used to specifically locate live lines. Press the ON/OFF button (d) to activate the mode; the AC symbol (1) appears on the display. As soon as the device nears a live line, an acoustic signal sounds and the Measuring centre LED (a) lights up. Continue to move the device until it stops emitting visual and acoustic signals. Repeat the procedure from the other side.

Mark the positions on the left (L) and right (R) side of the object where the signal reaches maximum intensity. The actual middle (M) of the object is halfway between the two markings. In this mode, the bar display does not indicate the distance to the target object.

Tip 4: Press the Calibration button (e) as soon as the LEDs (a, b) light up and/or the warning signal sounds. Then move the device towards the object again. This adjusts the accuracy, enabling the device to get nearer to the target object.
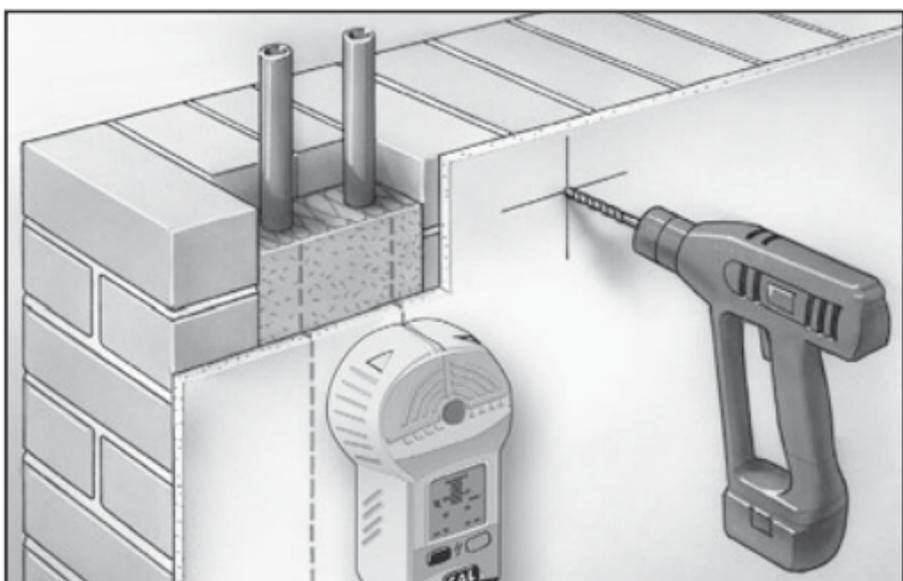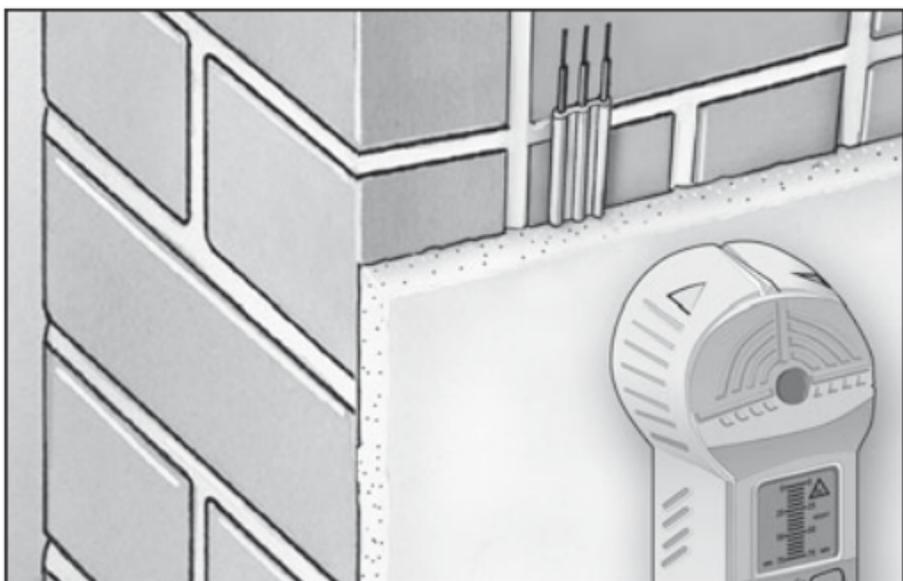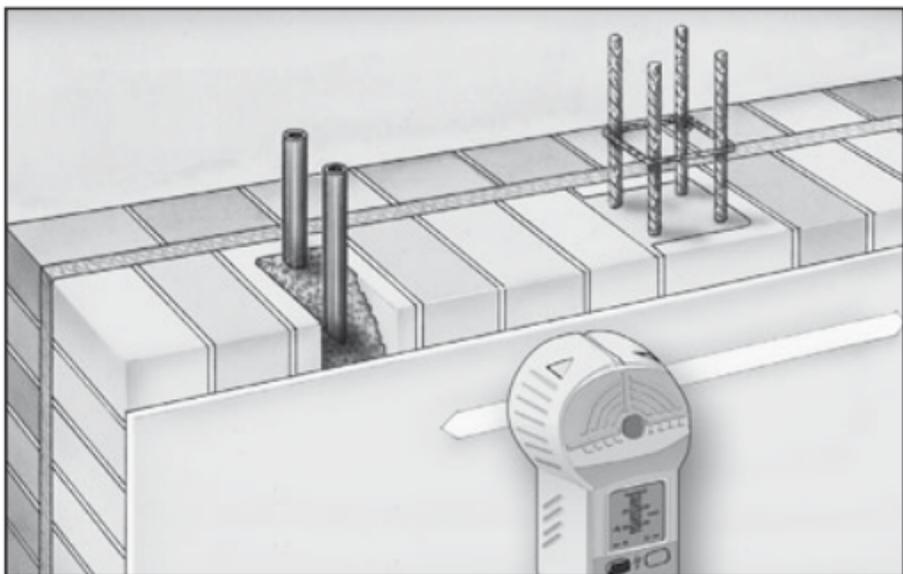
Technical data:

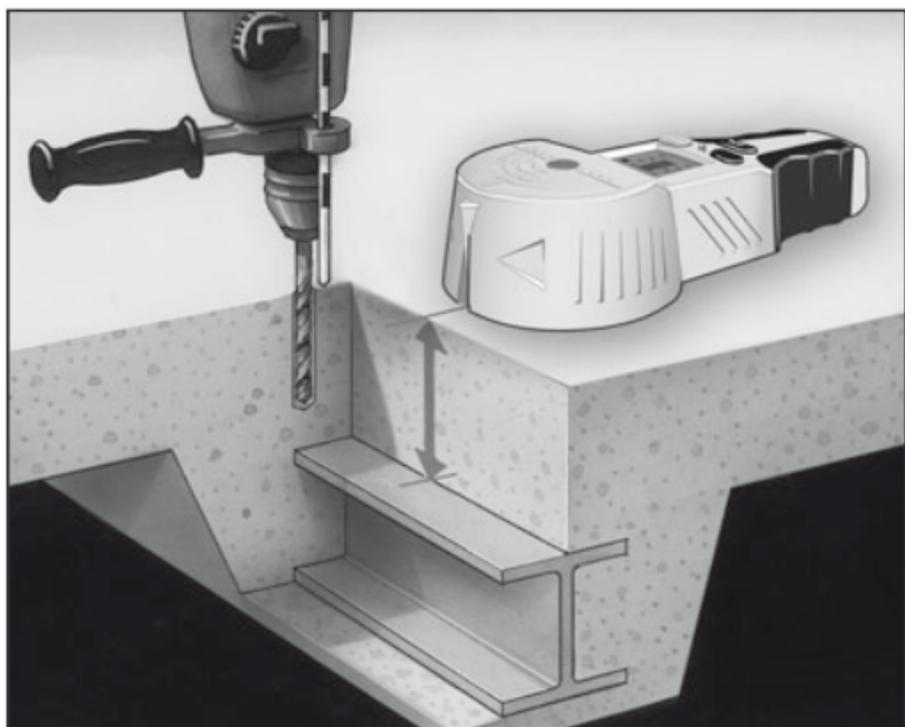|	
Detection range:	3 mm to 75mm depth
Precision:	± 7mm detection depth
	± 7mm centring precision
Working temperature:	0°C...40°C (32°F...104°F)
Storage temperature:	-20°C ... 70°C
Power supply:	1 x 9V alkali battery (type 6LR 61)
Dimensions:	95 x 221 x 85 mm
Weight:	0,35 kg (incl. battery)

Technical specifications subject to change 09/2009

Warranty:

The warranty is valid for 2 years from the date of purchase. The warranty does not cover damage caused by improper use or storage, normal wear and tear, or defects which only insignificantly impair the value of the product or its functioning. Any tampering by unauthorised persons will render this warranty void. In the event that you need to claim warranty, please take the complete device together with all information and the invoice to one of our dealers or send it in to UMAREX-Laserliner.

MetalliFinder Pro

MetalliFinder Pro

CE

Laserliner®
Innovation in Tools