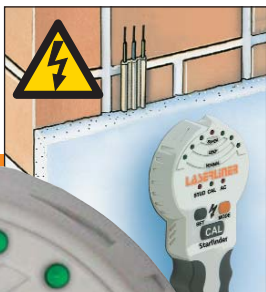


Laserliner StarFinder



Holz	Metall
Wood	Metal
Hout	Metaal
Træ	Metal
Bois	Métal
Madera	Metal
Legno	Metallo
Drewno	Metal



6 cm

4 cm

2 cm

Stud-Scan



SET — OFF — MODE

CAL

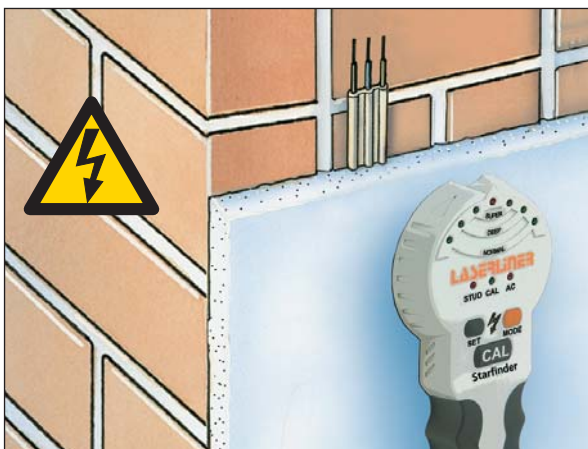
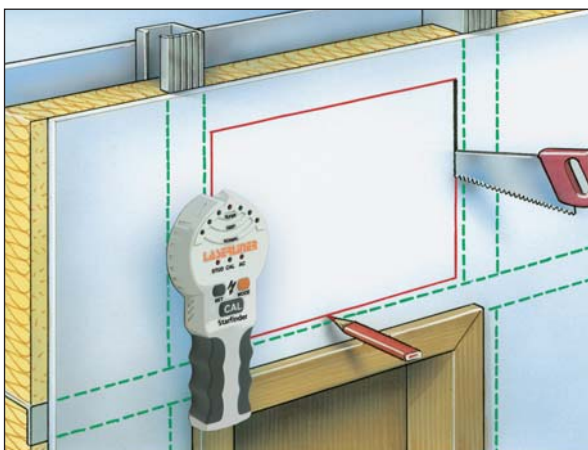
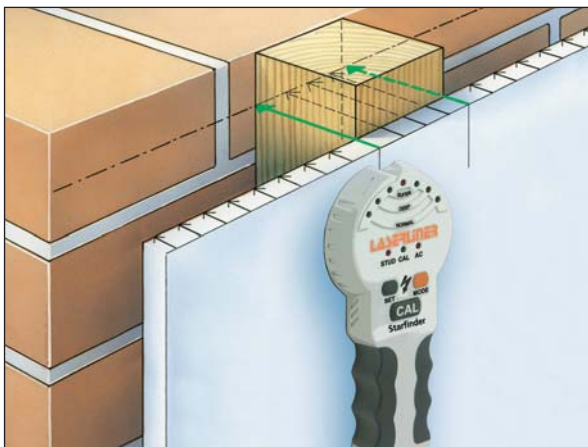
Starfinder

Leitungsortung
Locating cables
Lokaliseren van
leidingen
Lokalisering af
strømførende
ledninger
Détection de
câbles
Localización de
cables
Localizzazione
di cavi elettrici
Lokalizowanie
przewodów

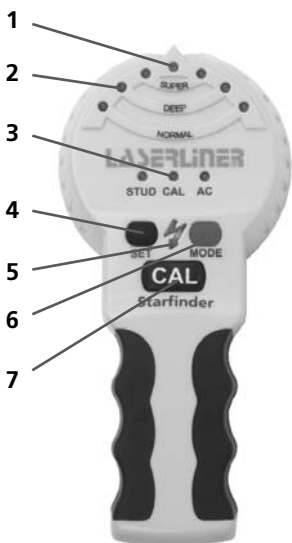
110-
220
Volt



4 cm



Several integrated sensors make the StarFinder from Laserliner to a highly effective detection tool. High functioning safety is ensured by special warning signals.



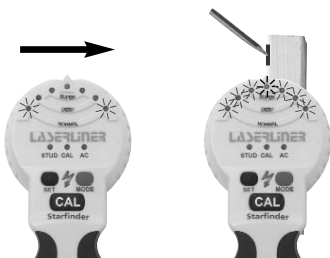
Components

- 1 Maximum display
 - 2 LE display
 - 3 Mode displays:
STUD / CAL / AC
 - 4 Measuring depth switch:
Normal / Deep /
Super-Deep
 - 5 Live wire warning
 - 6 ON / Mode change
STUD-SCAN (max.
measuring depth 6 cm)
AC-SCAN (max.
measuring depth 4 cm)
 - 7 Calibration
- OFF:**
Switch 4+6 together

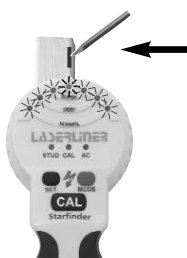
OPERATING INSTRUCTIONS

1. Insert battery: To do so, open the battery compartment in the back of the housing and insert a 9V battery (E-Block/PP3/6LR61).
2. Switch on the StarFinder (button 6).
3. Select **STUD-SCAN** or **AC-SCAN** (6):
 - A. **STUD-SCAN:** For electronically detecting studs and joists in dry walls (plaster fibreboard, wooden panels and other non-metallic panelling). Use the SET button (4) to adjust the measuring depth.
 - B. **AC-SCAN:** For localising live wires directly beneath the plaster or behind wooden panels and other non-metallic panelling. It is not possible to detect live wires in dry walls with metal studs.
4. **Measuring in STUD-SCAN mode**
 - Select STUD-SCAN (button 6). Select "Normal" (SET button). This setting is ideal for plaster fibreboard panels installed in one thickness (max. 2 cm).
 - Select "Deep" (SET button) for two plaster fibreboard panels installed on top of each other (max. 4 cm).

- Select "Super-Deep" (SET button) for thick wooden panels and floor constructions (parquet etc.), max. measuring depth 6 cm.
- Place the tool against the wall.
- LED CAL (3) flashes: Press the calibration button (7) and wait until calibration is completed. CAL OK: LED **CAL** (3) lights permanently.



Slide the tool sideways across the wall. When the maximum display appears, you have reached the edge of the stud.



Then scan for the other edge of the stud.

- Move the tool slowly across the surface.

IMPORTANT: The device must be in contact with the wall all the time while measuring in StudScan-Mode. AC-Mode see next page.

Tip 1: The position between the two markings is the mid-point of the stud.

Tip 2: The position where you start is important: First place the tool in a position where you know there is no stud. Otherwise, the LED CAL (3) will blink. To verify: Move the tool to another position a few centimetres away and start measuring again.

Tip 3: The maximum display does not light up, even though the LE display shows a reading. As soon as the most intense display appears, the tool is over the edge of the stud. Mark this point. Alternatively, increase the measuring depth (SET button).

Tip 4: To avoid interference while scanning, keep your free hand and other objects at least 15 cm away from the StarFinder.

Tip 5: The StarFinder will only find the outside edge of double studs and headers which may be fitted around doors, windows and corners.

Tip 6: Ensure that you have really detected a stud. To do so, check on both sides whether other studs are present at equal distances, usually at 30, 40 or 60 cm. Also check that it is a stud by scanning at several places directly above and below the position of the first find.

Tip 7: Textured ceilings: The ceiling must be covered with cardboard to protect it. In this case, use the DeepScan function.

CAUTION: If electric wires or metal or plastic pipes are located near or in contact with a plaster fibreboard panel, they may be identified by the StarFinder as studs. Always switch off the power supply when working near electric wires.

SPECIAL THINGS TO NOTE WITH VARIOUS MATERIALS

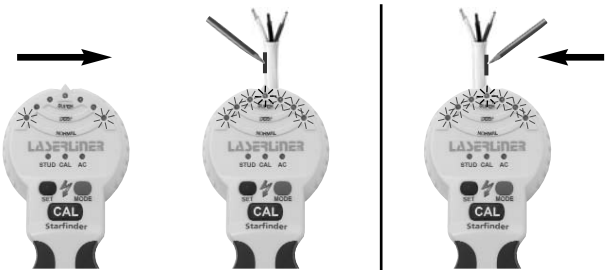
It may not be possible to detect wooden studs or joists through the following materials:

- Ceramic floor tiles
- Fitted carpeting with padded backing
- Wallpaper with metal fibres or metal foil
- Freshly painted, damp walls. These must have dried for at least one week.

5. AC-SCAN

The StarFinder is able to detect the electrical fields of live wires.

- Select AC-SCAN (button 6).
- Hold the tool in the air so that it is pointing away from any live wires.
- LED CAL (3) flashes: Press the calibration button (7) and wait until calibration is completed. CAL OK: LED **CAL** (3) lights permanently.
- Move the tool slowly across the surface. Please refer also Tip 1 on next page.



CAUTION: Wires which are at a depth of more than 4 cm may not be detected. Always switch off the power supply when working near electric wires.

- Tip 1: Depending on surface material electro-static interference may occur when moving unit, LED's will light up. In this case move tool slowly over the wall without touching surface.
- Tip 2: Because of static charges, electric fields may be detected at the side of the actual position of the wire. To carry away these charges, lay your free hand on the wall.
- Tip 3: If you suspect that wires must be present but cannot find any, this may be because they are shielded in conduits. Use STUDSCAN in order to check the near area.
- Tip 4: The position where you start is important: To achieve maximum sensitivity, start by placing the device in a position which is known not to be near live wires.
- Tip 5: With the Set Button (4) the sensitivity can be adjusted. The highest sensitivity (max. 4 cm) can be found in the mode "Super"-Deep.



STUD-SCAN: Continuous current monitoring in unshielded wires as soon as an electrical field is detected.

Subject to technical alterations.

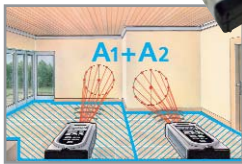
Warranty

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.

www.laserliner.com

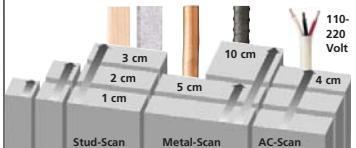
MeterMaster Pro Laser

Art-Nr: 080.930A



MultiFinder Pro

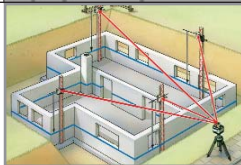
Art-Nr: 080.960A



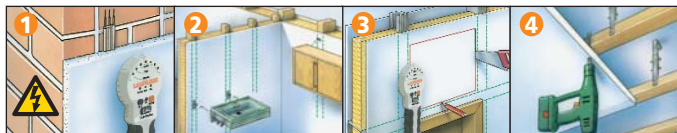
AQua-Master

AQM Pro 200

Art-Nr: 029.01.00A



**AUTOMATIC
LEVEL**



D
Elektronisches
Ortungsgerät
1. Leitungsortung
2. Balkenortung
3. Hohlraumortung
4. Bohrpunktsicherheit

GB
Electronic Scanner
1. Locating cables
2. Locating posts and beams
3. Locating cavities
4. Reliable drilling

NL
Elektronisch
lokalisatieapparaat
1. Lokaliseren van
leidingen
2. Lokaliseren van
balken
3. Lokaliseren van
holle ruimten
4. Lokaliseren van
veilige boorpunten

DK
Elektronisk
søgeinstrument
1. Lokalisering af
strømførende
ledninger
2. Lokalisering af
bjælker
3. Lokalisering af
hulrum
4. Lokalisering af
boreposition

F
Détecteur électronique
1. Détection de câbles
2. Détection de
poutres
3. Détection d'espaces
vides
4. Sécurité du perçage

E
Aparato localizador
electrónico
1. Localización de
cables
2. Localización de
vigas
3. Localización de
espacios huecos
4. Seguridad en la
elección del punto de
taladro

I
Apparecchio
elettronico di
localizzazione
1. Localizzazione di
cavi elettrici
2. Localizzazione di
travi
3. Localizzazione di
cavità
4. Sicurezza nella
scelta del punto in cui
praticare il foro

PL
Elektroniczny przyrząd
lokalizacyjny:
1. Lokalizowanie
przewodów
2. Lokalizowanie belek
3. Lokalizowanie
pustych przestrzeni
4. Pewne wyszukiwa-
nie miejsc do wiercenia

FIN
Elektroninen ilmaisin
1. Johtojen ilmaisu
2. Palkin ilmaisu
3. Onttojen tilojen
ilmaisu
4. Porauskohdan
turvallisuus

P
Detector electrónico
1. Localização de cabos
2. Localização de vigas
e estruturas
3. Localização de
espaços ocultos
4. Furar com segurança

S
Elektronisk detektor
1. Lokalisering av
elledningar
2. Lokalisering av
reglar
3. Lokalisering av
hålrum
4. Borrhälsäkerhet

N
Elektronisk søke-
instrument
1. Detektering av
ledninger
2. Lokalisering av
bjelker
3. Lokalisering av
hulrom
4. Nøyaktig lokale-
ring av borepunkter

TR
Elektronik tarama
cihazı
1. Tesisat tarama
2. Kiriş tarama
3. Boş bölme tarama
4. Delme noktası
güvenliği

RUS
Электронный прибор
для обнаружения
скрытых элементов
строительных
конструкций
1. Обнаружение
электрических
проводов
2. Обнаружение
балок
3. Обнаружение
полостей
4. Безопасность
сверления



Artikel-Nr. 080.970A



4

A quality product from
UMAREX GmbH & Co. KG
Donnerfeld 2,
59757 Arnsberg, Germany
Tel: +49 2932 638-300, Fax: -333
www.laserliner.com

