

# **ERMANRICH SD20 Stud Detector User Manual**

Home » ERMANRICH » ERMANRICH SD20 Stud Detector User Manual

## Contents

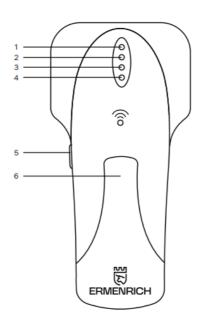
- 1 ERMANRICH SD20 Stud
- Detector
- 2 Specifications
- 3 FAQs
- 4 Documents / Resources
  - 4.1 References



**ERMANRICH SD20 Stud Detector** 



Please carefully read the safety instructions and the user manual before using this product. Keep away from children. Use the device only as specified in the user manual.



- 1. Center indicator
- 2. Signal Strength Indicator II
- 3. Signal strength indicator I
- 4. Battery status indicator
- 5. Power/Scan button
- 6. Battery compartment cover

# **Getting started**

• Open the battery compartment cover (6) and insert a battery according to the correct polarity. Close the cover.

#### Calibration

- Place the device flat against any surface that is free of studs, metal and AC cables. Press and hold the
  Power/Scan button (5) until the red (1) and green (4) indicators flash and the beeping sound is heard. The
  calibration is complete when the green light is on. Do not move the device until the calibration is complete. Wait
  for 3 seconds after the calibration is complete before using the device.
- Calibration must be done every time the device has been turned on for use.

#### **Usage**

- Complete the calibration and place the device flat against the examined surface. Press and hold the Power/Scan button (5) and slowly move the detector across the surface in the direction you want to scan.
- When the device detects the edge of a stud, signal strength indicators (2, 3) light up. Mark the point where the center indicator (1) flashes red. Start moving the device in the opposite direction and then mark where the center indicator (1) lights up again. The two marked points indicate the edges of a stud, and the midpoint of the marks indicates the center of the stud.
- If you are receiving erratic scanning results, it may be a result of humidity, moisture within the wall cavity or drywall, or recently applied paint or wallpaper that isn't fully dried.

## Low battery indicator

• If the battery status indicator (4) starts flashing, immediately change the battery.

# **Specifications**

- Max. detection depth wood/metal studs: 19mm (¾")
- Sound alert +
- · Light alert +
- · Operating temperature range
  - 0... +40°C (operating), -10... +50°C (storage) /
  - +32... +104°F (operating), +14... +122°F (storage)
- · Power supply 1pc 9V battery

The manufacturer reserves the right to make changes to the product range and specifications without prior notice.

#### Care and maintenance

- Do not exclusively rely on the detector to locate items behind scanned surfaces. Do not assume that there is no live cabling inside a wall. Always disconnect the power, gas, and water before scanning. Calibrate the device regularly.
- Do not try to disassemble the device on your own for any reason. For repairs and cleaning of any kind, please contact your local specialized service center. Protect the device from sudden impact and excessive mechanical force.
- Store the device in a dry cool place. Only use accessories and spare parts for this device that comply with the

technical specifications. Never attempt to operate a damaged device or a device with damaged electrical parts! If a part of the device or battery is swallowed, seek medical attention immediately.

## **Battery safety instructions**

- Always purchase the correct size and grade of battery most suitable for the intended use. Always replace the whole set of batteries at one time; taking care not to mix old and new ones, or batteries of different types. Clean the battery contacts and also those of the device prior to battery installation. Make sure the batteries are installed correctly with regard to polarity (+ and -).
- Remove batteries from equipment that is not to be used for an extended period of time. Remove used batteries promptly. Never short-circuit batteries as this may lead to high temperatures, leakage, or explosion. Never heat batteries in order to revive them. Do not disassemble batteries.
- Remember to switch off devices after use. Keep batteries out of the reach of children, to avoid risk of ingestion, suffocation, or poisoning. Utilize used batteries as prescribed by your country's laws.

## **Ermenrich Warranty**

- Ermenrich products, except for their accessories, carry a 5-year warranty against defects in materials and workmanship.
- All Ermenrich accessories are warranted to be free of defects in materials and workmanship for six months from the purchase date.
- The warranty entitles you to the free repair or replacement of the Ermenrich product in any country where a Levenhuk office is located if all the warranty conditions are met.
- For further details, please visit: ermenrich.com
- If warranty problems arise, or if you need assistance in using your product, contact the local Levenhuk branch.

# **FAQs**

## Q: How often should calibration be done?

A: Calibration must be done every time the device is turned on for use.

## Q: What could cause erratic scanning results?

A: Erratic scanning results may be due to humidity, moisture within the wall cavity, drywall, or recently applied paint or wallpaper that isn't fully dried.

#### **Documents / Resources**



**ERMANRICH SD20 Stud Detector** [pdf] User Manual SD20 Stud Detector, SD20, Stud Detector, Detector

# References

- 🛱 Ermenrich official website in Europe
- User Manual

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