

# WALL SCANNER

PCE-STM 10



- » **Detection of: Metal, wooden beams and power lines**
- » **Detection depth: up to 4.72 in**
- » **Colour LED display (green, yellow, red)**
- » **Centre point display**
- » **Shows the edges of an object**
- » **Alarm: visual and audible**
- » **Simple calibration**

Our wall scanner enables the precise detection and localisation of power lines, wooden beams, metals and other objects such as water-filled plastic pipes in walls, floors and ceilings. Thanks to its versatility, it can be used on various surfaces such as wood, wallpaper, plaster, acoustic walls and painted walls.

The device is equipped with a 1.9-inch colour LCD display that provides a clear visual representation of the scan results. A signalling system consisting of coloured LEDs, acoustic cues and directional arrows quickly provides precise information about the proximity and position of the detected object. The LED system indicates green for no obstacles, yellow for nearby objects and red for an obstacle directly under the scanner. The wall scanner has three detection modes: the metal detection mode for identifying metal objects, the wood detection mode for localising wooden beams and the power mode for detecting live wires. In the metal and power line modes, the device displays the signal strength as a percentage. In wood detection mode, the scanner recognises both the exact centre and the edges of wooden beams, allowing their position and size to be precisely determined.

To further improve the accuracy, the sensitivity can be adjusted in three stages so that the detection can be optimally adapted to the respective conditions. An integrated marking hole makes it possible to mark the drilling site immediately after detection.

## Specification

General technical data	
Units	Inch, cm
Display type	LCD
Display size	1,9 Inch
Interface	USB-C
Materials	Metals, Wood, Live wire
Operating time	2 h
Automatic power-off from...to	5 ... 15 min.
Automatic power-off can be deactivated	Yes
Alarm	optical, Acoustic
Measuring depth	12 cm
Measuring depth additional information	Magnetic metal: max. 12 cm Non-magnetic metal: max. 10 cm Power cable: max. 5 cm Copper wire ( $\geq 4$ mm): max. 4 cm Wooden beam: max. 3.8 cm
Menu language	English, Portuguese, Russian, Chinese, Japanese, English (GB)
Protection class (device)	IP20
Power supply	5 V DC
Capacity	300 mAh
Operating conditions	-10 ... 50 °C, 0 ... 85 % RH
Storage conditions	-20 ... 70 °C, 0 ... 85 % RH
Dimensions ( L x W x H )	140 x 70 x 22 mm
Weight	119 g