English



User Manual

Locator PCE-VE-LOC for PCE-VE 380N

User manuals in various languages (français, italiano, español, português, nederlands, türk, polski, русский, 中文) can be found by using our product search on: www.pce-instruments.com

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1 Safety notes

Please read this manual carefully and completely before you use the device for the first time. The device may only be used by qualified personnel and repaired by PCE Instruments personnel. Damage or injuries caused by non-observance of the manual are excluded from our liability and not covered by our warranty.

- This product is designed for industrial use only. Do not use the system for human or biological inspection.
- Do not use the camera cable to inspect fuel tanks or other environments with explosive or inflammable atmospheres.
- Do not try to disassemble this product to avoid damage or electric shocks.
- Only use original or recommended components or accessories. Unapproved accessories and components may cause damage.

We do not assume liability for printing errors or any other mistakes in this manual.

We expressly point to our general guarantee terms which can be found in our general terms of business.

If you have any questions please contact PCE Instruments. The contact details can be found at the end of this manual.

2 Product description

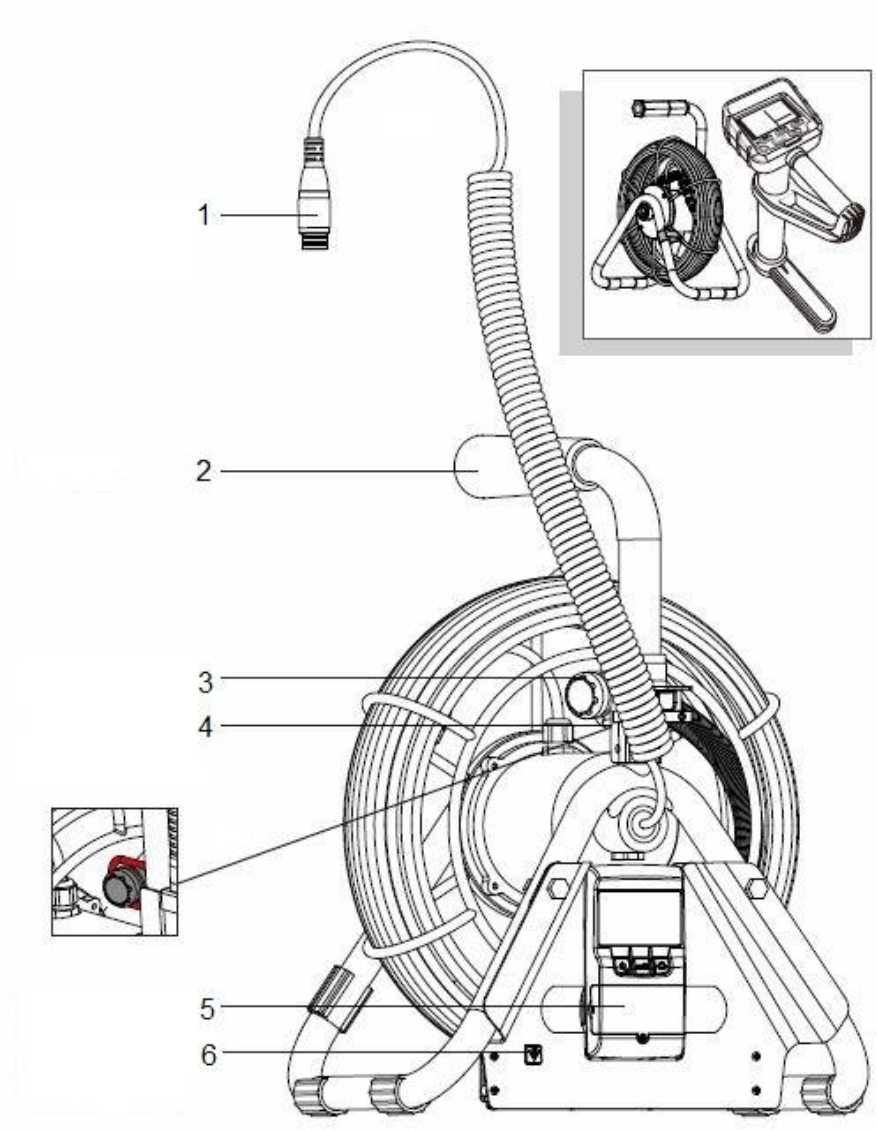
2.1 Device



1	DC jack	5	Depth measurement key
2	Backlight key	6	On / Off key
3	Reset key	7	Buzzer key
4	Handle	8	Unit key (m / ft)

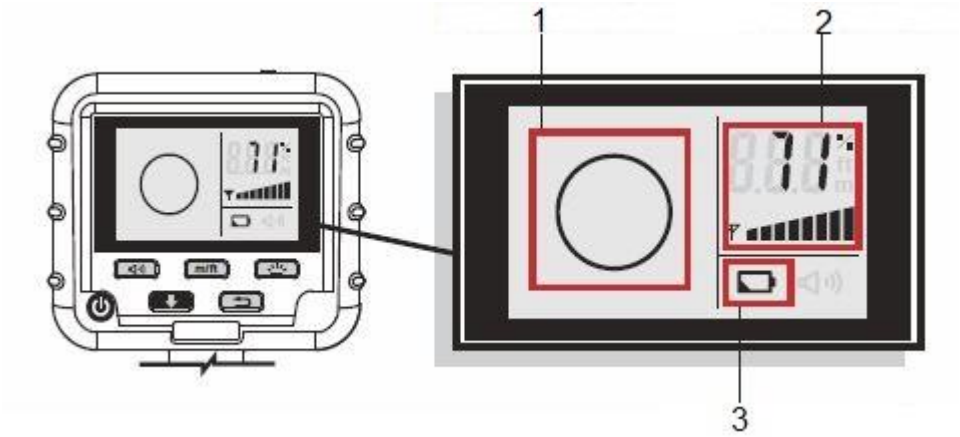
DC jack	To connect mains adaptor for charging
Backlight key	Backlight can be switched on or off
Reset key	Reset, e. g. when depth measurement failed
Handle	
Depth measurement key	To identify the depth of the transmitter
On / Off key	To switch on / off
Buzzer key	To switch on / off buzzer sound that occurs when locator is switched on and when moving closer to the transmitter
Unit key (m / ft)	To switch the units of depth measurement

2.2 Mounting



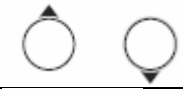
1	Main system connector	4	Camera head stopper
2	Handle	5	Meter
3	Camera head	6	Power button for transmitter

2.3 Display



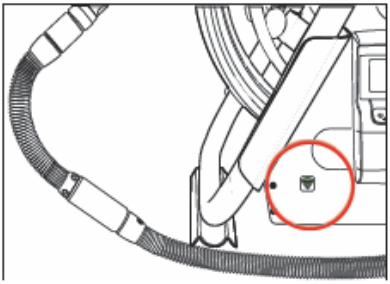
1 Detection icon 2 Signal strength 3 Low battery alert

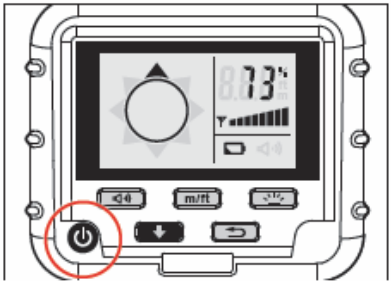
The battery must be charged whenever the low battery alert appears on the screen.

Icon	Description
	Weak signal, hard to verify directions
	You can follow the directions of the arrow to move on
	Depth measurement icon: appears when you are within the measurable range (horizontal 4.5 m / 15 f, vertical 1.8 m / 5.9 f), i. e. a depth measurement can be made and the reading is displayed along with peak signal strength
	Depth measurement failed. Reset and wait a few seconds for the reading to stabilise. A stable reading is indicated by an icon.

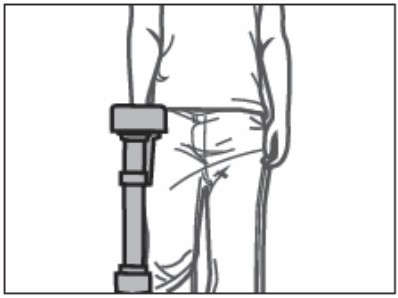
3 Operation

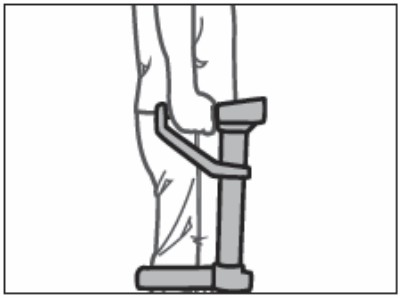
- Turn on the borescope as well as the locator.
- Before placing the transmitter in the target location, move the locator to check the signal strength (see "**Quick calibration**"). Also check the depth measurement icon as well as the battery level.
- The lamp next to the power button for the transmitter should glow in green. If the lamp glows in red, the battery voltage is insufficient and the instrument is not ready to work. The battery will last no longer than 15 minutes when the red lamp starts glowing.



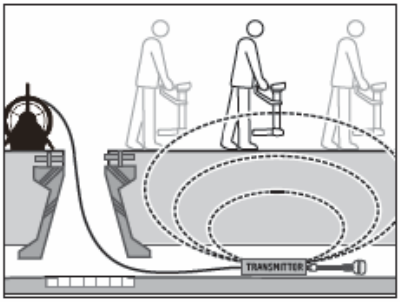


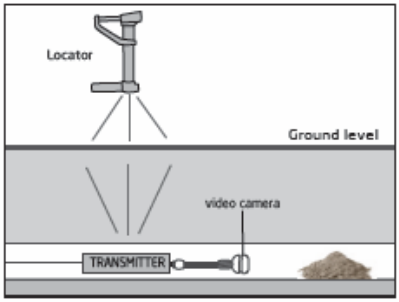
- Move the locator carefully and do not change the height, if possible.



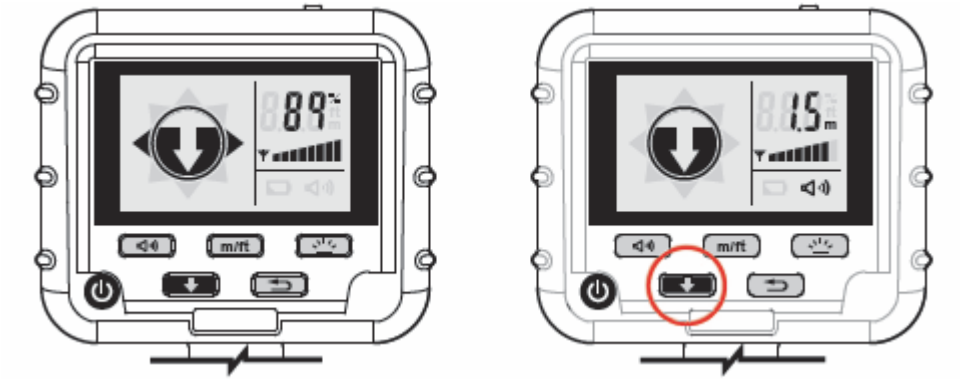


- Localisation every 5 m is recommended.



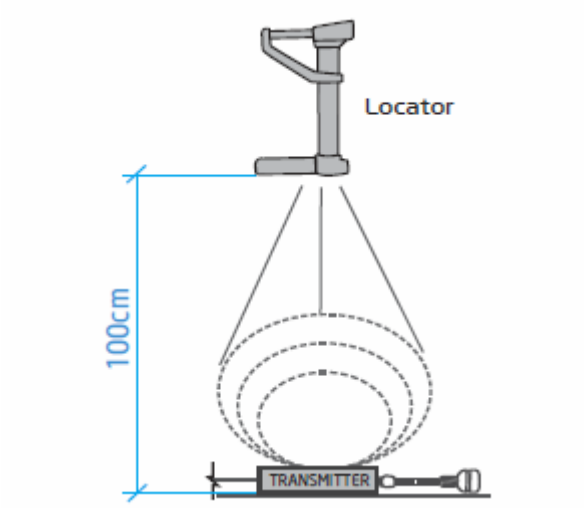


- To find the best signal strength, follow the arrows on the screen.
- When you come closer to the transmitter, the intervals of the beeping sound will become shorter.
- When you have reached the signal peak, turn the locator counterclockwise until the depth measurement icon pops up. Then press the depth measurement key to get the result.



3.1 Quick calibration

- Place the antenna of the locator approx. 100 cm / 3 f away from the transmitter.
- Check the signal strength.
- If the signal strength is below 60 %, press the reset key. Repeat these steps until the signal strength is sufficient.



4 Technical specifications

Locator PCE-VE-LOC	
Dimensions	L : 293.5 mm W : 144 mm H : 486.5 mm
Weight	2 kg
Power supply	3.7 V / 2000 mA Li battery
Power consumption	282 mA
Charging duration	3 … 4 h
Battery life	6 … 7 h
Power adaptor	5.5 V, 1.8 A
Humidity	95 % RH, non-condensing
Working temperature	-10 … 60 °C
Storage temperature	-20 … 80 °C
Drop resistance	60 cm
IP protection	IP55

Transmitter	
Power supply	2 x AAA batteries
Power consumption	3.4 V / 230 mA
Battery life	Approx. 3 … 4 h

5 Contact

If you have any questions, suggestions or technical problems, please do not hesitate to contact us. You will find the relevant contact information at the end of this user manual.

6 Disposal

For the disposal of batteries in the EU, the 2006/66/EC directive of the European Parliament applies. Due to the contained pollutants, batteries must not be disposed of as household waste. They must be given to collection points designed for that purpose.

In order to comply with the EU directive 2012/19/EU we take our devices back. We either re-use them or give them to a recycling company which disposes of the devices in line with law.

For countries outside the EU, batteries and devices should be disposed of in accordance with your local waste regulations.

If you have any questions, please contact PCE Instruments.

www.pce-instruments.com

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