

## QuickStart

Thermocouple meters/loggers  
**PRO 131 / PRO 135**



This QuickStart guide contains a brief overview of the product operating and safety information. Before operating the product, carefully read and understand the full operating manual, including the complete list of safety instructions, downloadable at the following link:

<https://www.senseca.com>



**Senseca Germany GmbH**  
Tenter Weg 2-8  
42897 Remscheid | GERMANY  
Mail: [info@senseca.com](mailto:info@senseca.com)  
Website: [www.senseca.com](http://www.senseca.com)



## INFORMATION AND SAFETY

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Read this document carefully and familiarize yourself with the operation of the product before using it. Keep this document ready to hand and in the immediate vicinity of the product so that it is always available to the personnel/user in case of doubt.

Only technically qualified persons are permitted to carry out commissioning, operation, maintenance and decommissioning. The personnel must have carefully read and understood the operating manual before starting any activity.

### Legal notices

- Carry out only the maintenance and service tasks described in this document. For your safety, use only the manufacturer's original spare parts and accessories. We assume no responsibility for the use of other products and any resulting damage.
- The user must have adequate knowledge of the measuring process and use of the measurements. The user is liable in case of damage/danger due to misinterpretation of the measurements as a result of inadequate knowledge.
- The liability and warranty of the manufacturer for product damages and consequential damages are voided in the event of misuse, failure to comply with these operating instructions, failure to observe safety warnings, assignment to inadequately qualified technical personnel and arbitrary modifications of the product.
- No part of this document may be reproduced, modified or translated without prior written permission of the product manufacturer. In case of ambiguity between different language versions of this document, the English version applies.
- This document does not create any legally binding obligations for the product manufacturer. All legally binding obligations are included only in the General Terms and Conditions of Sale.

### Correctness of content

- This document was checked for corrected contents and is subject to a continuous updating process. This does not rule out potential errors. In the event that errors are discovered or in case of suggestions to make this document more user-friendly, please inform us via the contact information given in this document.
- We reserve the right to change the product specifications and the contents of this document without prior notice.

### Explanation of symbols used



#### DANGER

Warning of danger that could result in death, serious bodily injury, or serious property damage if not observed.



#### CAUTION

Warning of potential danger or harmful situation that may cause damage to the device or the environment if not observed.



#### NOTE

Action that may have a direct effect on operation or may cause an unexpected behavior.

### Safety information

Fault-free operation and operational safety of the product can only be guaranteed if the general safety requirements and the specific safety requirements in this document are observed.

Do not use the product in climatic conditions other than those specified in this document.

Do not use the product in places with:

- Rapid ambient temperature variations that may cause condensation.
- Direct vibrations / shocks to the product.
- High-intensity electromagnetic fields or static electricity.

## Intended use

The product is a handheld meter designed for measuring temperature in liquid, gases, solid materials by contact or penetration if soft.

## Foreseeable misuse

If the following notices are disregarded, personal injury or death, as well as property damage can occur.



### DANGER

- Do not use in safety / emergency stop devices!
- Not suitable for use in hazardous areas (Ex-environments)!
- Not suitable for diagnostic or other medical purposes on patients!
- Not suitable for SIL (Safety Integrity Level)!
- Not suitable for contact with food!
- Not suitable for children!
- Do not use as PPE (Personal Protection Equipment).



### CAUTION

Do not use if:

- There is visible damage to the product.
- The product is not working as expected.
- The product has been stored under unsuitable conditions for an extended period.

On suspicion that the product can no longer be operated without danger, it must be decommissioned and prevented from recommissioning with appropriate labelling. In case of doubt, send the product to the manufacturer for repair or maintenance.



### CAUTION

Penetration probes entail the risk of **stab injuries** due to the pointed probe. Handle penetration probes with care and fit a protective cap on the probe tip when not in use!



### NOTE

Remove batteries to prevent leakage if the product is stored at a temperature above 50 °C or not used for an extended period of time.

## Batteries



### DANGER

- **Do not short-circuit the batteries, they may explode with serious risk to people!**
- Do not use charging devices different from those indicated!
- Do not overcharge the batteries by leaving them on charge for a long time after reaching the full charge status!
- Do not expose the batteries to high temperature!
- Do not throw the batteries into fire!



### CAUTION

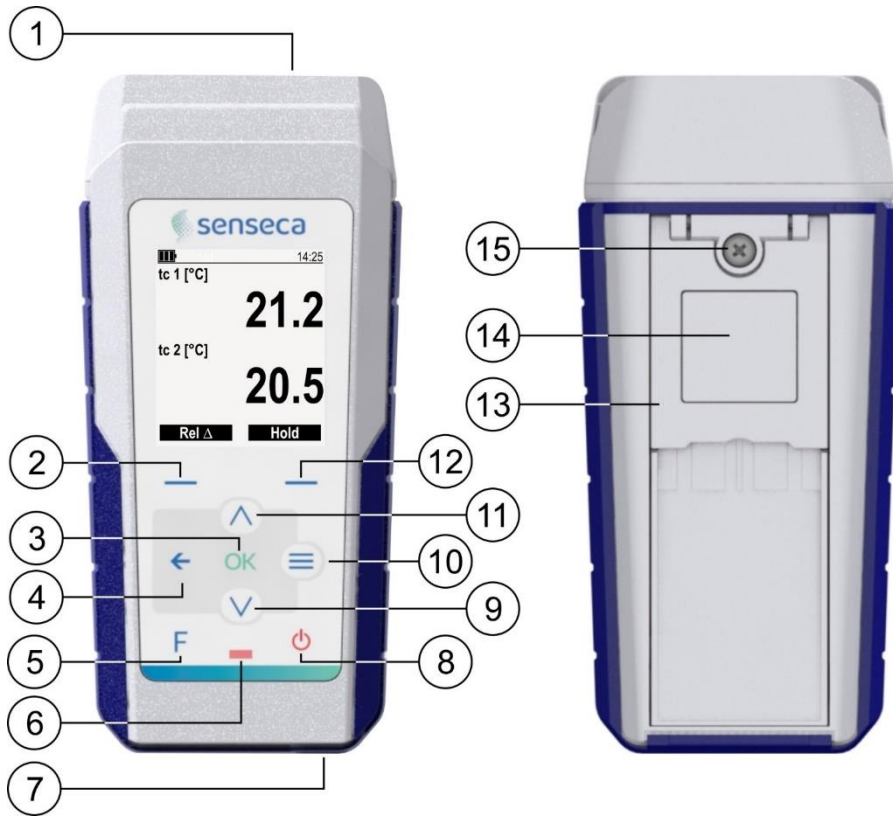
**Disposal:** Dispose the exhausted batteries in the appropriate bins or deliver them to authorized collection centers. Comply with current regulations.

## Disposal



Electrical and electronic equipment marked with specific symbol in compliance with 2012/19/EU Directive must be disposed of separately from household waste. European users can hand them over to the dealer or to the manufacturer when purchasing a new electrical and electronic equipment, or to a WEEE collection point designated by local authorities. Illegal disposal is punished by law.

## DESCRIPTION



1. Inputs
2. Left function key
3. **OK** key: confirms selection
4. **←** key: cycles through display modes or goes up one menu level
5. **F** key: favorites list
6. Status LED
7. USB-C port
8. **ON/OFF** key
9. **Down arrow** key: scrolls down a list or decreases a parameter value
10. **MENU** key
11. **Up arrow** key: scrolls up a list or increases a parameter value
12. Right function key
13. Foldable stand
14. Magnet
15. Battery compartment fixing screw
16. Status bar
17. Measured parameter and unit of measurement
18. Function corresponding to left function key
19. Function corresponding to right function key
20. Measured value

Display	Symbols
	Battery charge level Hold function active Logging in progress Alarm USB port is connected 14:25 Current time

## TECHNICAL SPECIFICATIONS

Input channels	2 miniature TC connectors
Measuring range	K: -220.0...+1372.0 °C / J: -200.0...+1100.0 °C N: -200.0...+1300.0 °C / S: -50.0...+1750.0 °C T: -200.0...+400.0 °C / E: -60.0...+850.0 °C B: +300...+1750 °C / R: -50.0...+1750.0 °C
Accuracy	±(0.2 °C + 0.2% of meas. value) ± 1 digit (J, K, N, T, E) ±(0.5 °C + 0.4% of meas. value) ± 1 digit (S, B, R) Cold junction: ±0.3 °C
Power supply	4 x AA alkaline batteries / External 5 Vdc via USB C
Battery autonomy	> 200 h typ. (backlight off)
Operating conditions	-5...50 °C / 0...85 %RH non-condensing
Protection degree	IP 67 (except probe connection) / IK 04
Housing material	ABS, PTE (side protection), Polyester (front panel)