



## REFCLAMP-SET

### Item Number 4688733

The REFCLAMP measures both the tube and air temperature as well as the humidity in the ambient air of mobile and stationary refrigeration systems and heat pumps.

It has two sensors included: a pipe temperature sensor and a humidity sensor. Furthermore, the outside temperature can be measured by means of a plug-in K-type sensor.

The illuminated display guarantees constant control of the measured values. Another plus: The narrow tip also enables measurement in hard-to-reach places.

Furthermore, the clamp can be connected to REFIMATE and the REFIMESH app and thus contribute to an optimal adjustment of the system.

#### Functions:

- Target superheat
- Tube temperature and air temperature measurement
- Humidity measurement
- Calculation of wet bulb temperature
- Calculation of superheat and subcooling
- Temperature difference calculation
- Ice water calibration

- Fast response time
- Permanent view of the measured values thanks to illuminated display
- Comfortable handling thanks to wireless connection and ergonomic design
- Simple operation with 2 buttons
- Real-time display of measured values on the clamp, the REFIMATE, and the REFIMESH app
- High range of 300 m

## Technical Data

<b>Material</b>	Polyamide
<b>Colour</b>	yellow   green
<b>Number of Pieces</b>	2
<b>Standards</b>	CE FCC IC RCM RoHS REACH
<b>RoHS Conformity</b>	Yes
<b>RoHS Conformity</b>	1
<b>Operating Temperature Range</b>	-20 °C – 50 °C
<b>Humidity Range</b>	5 – 100 %
<b>Measured Variables</b>	Temperature   Humidity
<b>Operating Temperature Range</b>	-20 °C - 50 °C
<b>Diameter</b>	5 - 44 mm
<b>Battery</b>	2 x 2 AAA
<b>Functions</b>	Tube temperature and air temperature measurement Humidity measurement Wet bulb temperature calculation Ice water calibration Connection to REFIMATE and REFIMESH Calculation of superheat and subcooling in combination with the REFIMATE Target superheat in combination with the REFIMATE Temperature difference calculation - Delta T (in REFIMESH) Absolute humidity (REFIMESH) Enthalpy (REFIMESH)
<b>Scope of Supply</b>	Batteries   Quick Guide
<b>Packaging</b>	Blister
<b>Accuracy</b>	± 1 °C
<b>Temperature measuring range</b>	-40 °C - 150 °C
<b>Temperature Units</b>	°C   °F

*Acknowledged globally*



Temperature Resolution 0.1 °C

## Accessories

4681394 K-TYPE-SENSOR External temperature sensor for REFMATE and DIGIMON