



## Laserliner CondenseSpot XP

Professional climate/humidity temperature meter for localising thermal bridges and condensation with Bluetooth interface

Rev17W50



Illuminated LC display with colour alarm function

Connection for K-type temperature sensor

- **Functions:** Surface-, ambient-, dew point-, contact-, wet-bulb temperature, relative humidity
- **Bluetooth interface** for measurement data transfer
- **Non-contact** temperature measurement in difficult-to-reach places and in hazardous measuring zones
- **Localisation** of thermal bridges and condensation water hazards in thermal bridge mode with dew point display
- Connection for **K-type temperature sensor**
- **Hygrometer functions:** Determine the relative air humidity and ambient temperature and calculate the dew-point temperature
- **Condensation water indicator** as bar graph display
- **Colour alarm function:** Thermal bridge warning with colour display
- **Min/Max/AVG/Dif function:** The smallest, largest, average or difference infrared measured value can be displayed.
- **Adjustable emissivity** (0.01 - 1.0) with quick selection of 5 memory locations
- **Memory function:** 50 storage locations
- Measurement display in **°C** or **°F**, selectable
- **Data-Hold:** The most recent measured values are saved temporarily.
- The **multifunction display** shows different measured values simultaneously
- Sturdy, ergonomically designed, **rubberised** casing

### TECHNICAL DATA

<b>INFRARED TEMPERATURE</b> -40°C...800°C / -40°F...1472°F -40°C...0°C / -40°F...32°F (± 1°C / ± 0,1°C / 1°C) / (± 1,8°F / ± 0,18°F / 1°F) 0°C...33°C / 32°F...91,4°F (± 1°C / ± 1,8°F or ± 1% depending on the higher value) >33°C / >91,4°F (± 2°C / ± 3,6°F or ± 2% depending on the higher value)
<b>DISPLAY RESOLUTION</b> 0,1°C / 0,1°F / 0,1%rH
<b>AMBIENT TEMPERATURE / WET-BULB TEMPERATURE</b> -20°C...65°C / -4°F...149°F 0°C...50°C / 32°F...122°F (± 1°C / ± 1,8°F) <0°C and >50°C / <32°F and >122°F (± 2,5°C / ± 4,5°F)
<b>RELATIVE HUMIDITY</b> 1%...99%, 20%...80% (± 3%) <20% and >80% (± 5%)
<b>DEW POINT TEMPERATURE</b> -50°C...50°C / -58°F...122°F 41%rH...95%rH (± 1,5°C / ± 2,7°F) 31%rH...40%rH (± 2°C / ± 3,6°F) 20%rH...30%rH (± 2,5°C / ± 4,5°F)
<b>CONTACT TEMPERATURE, K-TYPE</b> -30°C...1372°C / -22°F...2501,6°F (± 1°C / ± 1,8°F or ± 1% depending on the higher value)
<b>OPTICS</b> 30:1 (30 m distance : 1 m measured spot)
<b>EMISSION COEFFICIENT</b> 0,01 - 1,0 adjustable
<b>LASER</b> 8-point laser circle
<b>LASER WAVELENGTH</b> 650 nm
<b>LASER CLASS</b> 2, < 1 mW
<b>POWER SUPPLY</b> Batteries 2 x 1,5 V type AA
<b>RUNTIME</b> 20 hours
<b>OPERATION CONDITIONS</b> 0...50°C / 32...122°F, 80%rH, no condensation, max. altitude 2000 m
<b>STORAGE CONDITIONS</b> -10...60°C / 14...140°F, 80%rH, no condensation
<b>RADIO MODULE OPERATING DATA</b> Bluetooth LE 4.x interface
<b>DIMENSION</b> (W x H x D) 150 x 205 x 60 mm
<b>WEIGHT</b> (incl. batteries) 412 g

ARTICLE	ARTICLE NO	EAN-CODE	PU
CondenseSpot XP	082.047A	4 021563 698936	2



**CondenseSpot XP**  
including carrying case  
+ batteries

**Packaging dimension** (W x H x D)  
340 x 275 x 123 mm