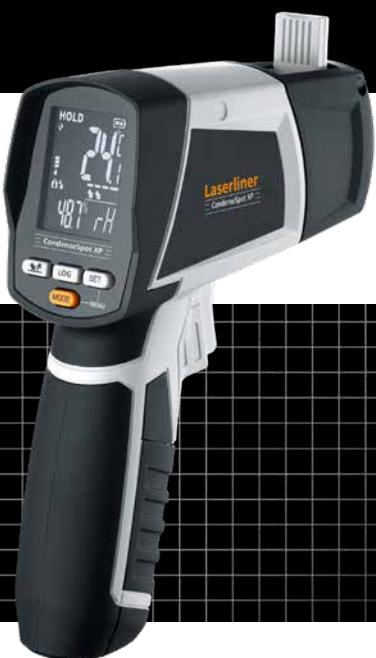


Laserliner

CondenseSpot XP



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

Rev17W50



Illuminated LC display with colour alarm function

- **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

INFRARED TEMPERATURE

-40°C...800°C / -40°F...1472°F
-40°C...0°C / -40°F...32°F
($\pm 1^\circ\text{C} + 0,1^\circ\text{C} / 1^\circ\text{C}$) /
($\pm 1,8^\circ\text{F} + 0,18^\circ\text{F} / 1^\circ\text{F}$)
0°C...33°C / 32°F...91,4°F
($\pm 1^\circ\text{C} / \pm 1,8^\circ\text{F}$ or $\pm 1\%$
depending on the higher value)
 $>33^\circ\text{C} / >91,4^\circ\text{F}$
($\pm 2^\circ\text{C} / \pm 3,6^\circ\text{F}$ or $\pm 2\%$
depending on the higher value)

DISPLAY RESOLUTION

0,1°C / 0,1°F / 0,1%RH

AMBIENT TEMPERATURE / WET-BULB TEMPERATURE

-20°C...65°C / -4°F...149°F
0°C...50°C / 32°F...122°F ($\pm 1^\circ\text{C} / \pm 1,8^\circ\text{F}$)
 $<0^\circ\text{C}$ and $>50^\circ\text{C}$ ($<32^\circ\text{F}$ and $>122^\circ\text{F}$
($\pm 2,5^\circ\text{C} / \pm 4,5^\circ\text{F}$)

REALTIVE HUMIDITY

1%...99%, 20%...80% ($\pm 3\%$)
<20% and >80% ($\pm 5\%$)

DEW POINT TEMPERATURE

-50°C...50°C / -58°F...122°F
41%RH...95%RH ($\pm 1,5^\circ\text{C} / \pm 2,7^\circ\text{F}$)
31%RH...40%RH ($\pm 2^\circ\text{C} / \pm 3,6^\circ\text{F}$)
20%RH...30%RH ($\pm 2,5^\circ\text{C} / \pm 4,5^\circ\text{F}$)

CONTACT TEMPERATURE, K-TYPE

-30°C...1372°C / -22°F...2501,6°F
($\pm 1^\circ\text{C} / \pm 1,8^\circ\text{F}$ or $\pm 1\%$
depending on the higher value)

OPTICS 30:1

(30 m distance : 1 m measured spot)

EMISSION COEFFICIENT 0,01 - 1,0 adjustable

LASER 8-point laser circle

LASER WAVELENGTH 650 nm

LASER CLASS 2, < 1 mW

POWER SUPPLY

Batteries 2 x 1,5 V type AA

RUNTIME 20 hours

OPERATION CONDITIONS

0...50°C / 32...122°F, 80%RH,
no condensation, max. altitude 2000 m

STORAGE CONDITIONS

-10...60°C / 14...140°F, 80%RH,
no condensation

RADIO MODULE OPERATING DATA

Bluetooth LE 4.x interface

DIMENSION (W x H x D)

150 x 205 x 60 mm

WEIGHT (incl. batteries)

412 g



CondenseSpot XP
including carrying case
+ batteries

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

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

