Laserliner

CondenseSpot XP

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

Rev17W50

- **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
(± (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)

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 (± 1°C / ± 1,8°F)
<0°C and >50°C / <32°F and >122°F
(± 2,5°C / ± 4,5°F)

REALTIVE HUMIDITY
1%…99%, 20%…80% (± 3%)
<20% and >80% (± 5%)

DEW POINT TEMPERATURE
-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)

CONTACT TEMPERATURE, K-TYPE
-30°C…1372°C / -22°F…2501,6°F
(± 1°C / ± 1,8°F or ± 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 WAVELENGHT 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

Illuminated LC display with colour alarm function

Connection for K-type temperature sensor

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

Laser 650 nm · 2 · Bluetooth · 1/4" · 2x AA · HARD

CondenseSpot XP
including carrying case
+ batteries

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

UMAREX GmbH & Co. KG · Donnerfeld 2 · 59757 Arnsberg · Germany · Tel. +49 2932 638-300 · Fax +49 2932 638-333 · info@laserliner.com · www.laserliner.com