



DewCheck 4 - series 2

DC7100 (+ DC7520 - optional docking station)

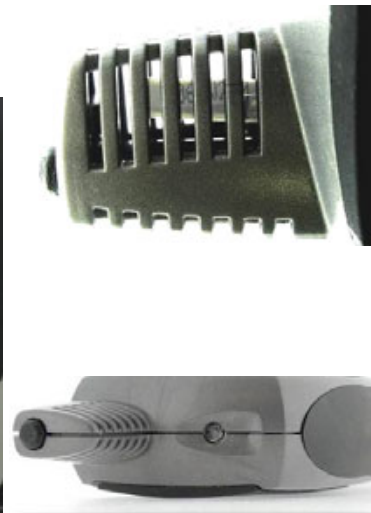
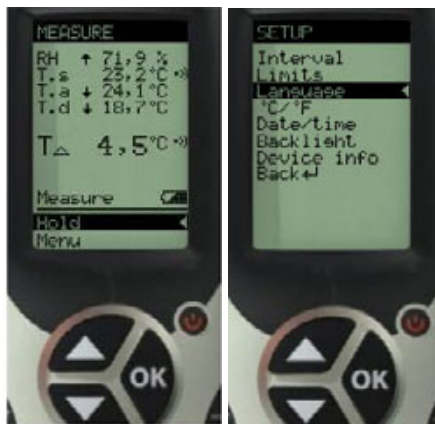
Datasheet

Product Description:

Extremely versatile tool for measuring and recording all climate parameters required for treating surfaces. This easy-to-use and robust instrument measures air temperature, surface temperature, air humidity and dewpoint and calculates the difference between the surface and dew point temperature, indicating optimum climate conditions for painting. All parameters, incl. time and date, are stored in the memory, can be retrieved at a later stage.

Standards

ISO 8502-4, ASTM D3276-05, BS 7079-B4, NACE RP prop 97



Application area's Coating/Paint Industry, Galvanise, Construction/building maintenance, Painters, Shipping Industry, Steel Protection.

Features

- Large illuminated graphic display
- One-hand operation
- Simple menu-driven user interface
- Extensive data-logging capabilities, readings are time and date stamped and stored on the gauge
- USB-Interface connects the unit to the PC for programming and downloading data.
- To be used as "on the spot" inspectors tool or "stand-alone" data logger
- Heavy duty ergonomic case
- Set limits for each parameter
- Acoustic and visual alarms
- Select Celsius / Fahrenheit
- Automatic trend indicator shows the trend of climatic conditions (rising, falling, stable)
- High-end industrial sensors and built-in probes
- Integrated 'back-up' LED flashlight
- DewLog temperature and humidity monitoring software included
- Two year valid calibration certificate!

Additional Information:

For use as stand-alone datalogger the DewCheck Dock(art. nr. DC7520) is available. Features:

- 3 strong Neodymium magnets hold instrument and dock firmly against ferrous steel surfaces. Magnets are lined with rubber to prevent damaging the surface and sliding of the unit.
- A magnetic surface temperature sensor overrides the instrument's integrated surface temperature sensor in order to guarantee correct TS-readings.
- USB-Interface connects the unit to the PC for programming and downloading data.





Specifications

HUMIDITY

- Accuracy (0...80 °C, 0...176 °F) ± 3 % RH
- Measurement resolution 0.1 %
- Measurement range 0...100 % RH

TEMPERATURE

Temperature Ta (Air)

- Accuracy ± 0.5 °C, ± 1 °F (over the full measurement range)
- Measurement resolution 0.1 °C, 0.1 °F
- Measurement range - 20...+ 80 °C, - 4...+ 176 °F

Temperature Ts (Surface)

- Accuracy ± 0.5 °C, ± 1 °F (over the full measurement range)
- Measurement resolution 0.1 °C, 0.1 °F
- Measurement range - 30...+ 60 °C, - 22...+ 140 °F

Temperature Ts (Surface External)

- Accuracy ± 0.5 °C, ± 1 °F (over the full measurement range)
- Measurement resolution 0.1 °C, 0.1 °F
- Measurement range - 30...+ 60 °C, - 22...+ 140 °F

DISPLAY

- Operating temperature range Graphical presentation with backlight.

- 20 °C...60 °C, - 4...+ 140 °F

KEYS

- Menu 3
- On / off 1 (electronic)
- LED flashlight 1 (electronic)

MEMORY

- Type Dynamic
- Memory size manual logging 6000 records
- Record content manual logging time/date, humidity, Ta, Ts, Td, Tdelta, status byte for alarm.
- Memory size interval logging 12000 records
- Record content interval logging Humidity, Ta and Ts. Other parameters and date and time are calculated.
- Batches 8 Batches max.

MEASUREMENT / FEATURES

- Limits Adjustable for each parameter
- Lo-Hi Alarms Beep sound , symbol in display and RED Led.
- Hold/freeze function Yes
- Data storage Two modes: Manual and interval(auto)
- Data recall Gauge displays average, min/max of each batch. Downloading to PC possible via optional adapter.

Battery indicator

Yes, detailed.

Trend indicator

Yes.

User interface

Menudriven through up/down/enter key.

Languages

4 languages, English, German, French, Spanish

Extra

Built-in bright white LED orientation flashlight.



Specifications (2)

HARDWARE

Case	Plastic custom housing with protective rubber-parts at the side and around the display window.
Wriststrap	Yes
Dimensions	195 x 75 x 35 mm.
Weight (incl. batteries)	± 300 gram

POWER

Batteries	3 X AA 1.5 batteries,
- Typical lifetime	- OFF > 2 years - Interval logging: > 1 year with 10 min. interval measurement - Manual logging: 400 hours continuous operation.

Spares and Accessories

DC7520	Docking Station for DewCheck Series 2
DC7500	Docking Station for DewCheck Series 1
DC7510	USB communication cable
DC7010	Spare leather pouch

Delivery

The DewCheck4 - Series 2 with ordercode DC7100 is supplied with the following items:

- Instrument DewCheck4
- 3 X AA Alkaline batteries, placed inside the instrument
- USB communication cable
- DewLog evaluation software
- Genuine leather pouch
- Handstrap
- Calibration certificate
- English manual

The DewCheck4 Dock - Series 2 with ordercode DC7520 is supplied with the following items:

- Dock unit
- USB communication cable
- Magnetic surface temperature probe
- DewLog evaluation software
- Allen key 2.5 mm.

Safety Precautions:

- Always keep the instrument in its pouch when not in use. Ensure the instrument is correctly inserted in the pouch with the display to the front.
- The humidity sensor is fragile and should never be touched. Do not use compressed air to clean the sensors or the instrument.

Disclaimer:

The information given in this sheet is not intended to be exhaustive and any person using the product for any purpose other than that specifically recommended in this sheet without first obtaining written confirmation from us as to the suitability of the product for the intended purpose does so at his own risk. Whilst we endeavour to ensure that all advice we give about the product (whether in this sheet or otherwise) is correct we have no control over either the quality or condition of the product or the many factors affecting the use and application of the product. Therefore, unless we specifically agree in writing to do so, we do not accept any liability whatsoever or howsoever arising for the performance of the product or for any loss or damage (other than death or personal injury resulting from our negligence) arising out of the use of the product. The information contained in this sheet is liable to modification from time to time in the light of experience and our policy of continuous product development.