



# DewCheck 4 - series 2

## DC7100 (+ DC7520 - optional docking station)

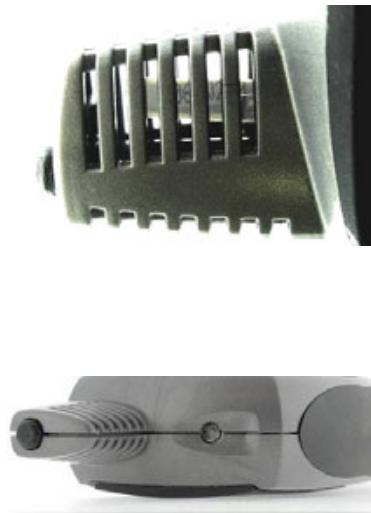
Datasheet

**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 0.5 %
- 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.

