# DewCheck® 4 *The climate gauge for blasting and coating*

- ISO 8502-4
- ASTM D3276-05
- BS 7079-B4
- NACE RP propo 97
- NSTM 009-32
- IMO-PSPS

Visit www.dewcheck.nl

2 YR
TWO YEAR
WARRANTY

*Rely on our quality to improve yours*

# ► *DewCheck®4*

## ► THE CLIMATE GAUGE FOR INDUSTRIAL COATING

Climatic conditions are of high importance during professional coating jobs. Climate parameters like ambient air temperature, relative humidity and surface temperature will affect: Condensation, drying time, cure behaviour, overcoat time etc..

Climatic conditions that are out of spec. can cause problems such as: Flash rust, poor adhesion, delaminating of coating layers, pores, poor curing, degradation of coating's physical properties, corrosion under the coating, and long term performance.

## ► ALL CLIMATE PARAMETERS HAS TO BE MEASURED DURING EACH STAGE OF THE COATING JOB

**Blasting**  **Coating**  **Curing**

Frequent or even continuous measurement of all climate parameters is a must to perform high quality coating work and guarantee long term coating performance.
DewCheck® has been the first instrument especially designed for this application.

## ► THE CLIMATE GAUGE

- RH: | Relative Humidity
- Ts: | Surface temperature
- Ta: | Ambient air temperature
- Td: | Dewpoint temperature
- T△: | Difference between dewpoint and surface temperature

## ► SIMPLE
- One hand operation, keep
- Easy menu-driven user in of your choice, (English, G
- Clear illuminated display glance including battery s

## ► ACCURATE
- Premium quality industria sophisticated calibration over extended periods of two years!
- Trend indicator shows wh reads the correct values.
- RH-probe is equipped wit protect the sensor from m

## ► VERSATILE
- To be used as real-time h
- Converts easily in a stand optional Dock-unit.
- Log data while measuring data logging.
- Build-in LED backup-torc

## ► DURABLE
- Rugged gauge, designed environments.
- All build-in probes. No se stuck or damaged.
- Rubber injected case for
- Extremely rugged surface conductive rubber.

## ► FLEXIBLE
- Limits can be set for each alarms when exceeding a
- Hold / freeze function.
- Choose Celsius / Fahren
- Detailed battery indicator

os one hand free for the operator.
nterface in the language
German, French or Spanish )
shows all 5 parameters at a
status.

l sensors combined with
procedures guarantee accuracy
time. Accuracy guaranteed for

en gauge is acclimatized and

h a unique integrated filter to
nost airborne contaminations.

andheld gauge
d-alone data logger with the

g or choose automatic interval

h, great in confined spaces.

for use in harsh industrial

nsitive sensor cables that get

protection and firm grip.
e probe supported by thermal

n parameter. Acoustic and visual
an active limit.

heit.

### ➡ LOG MANUAL

Use the instrument as handheld data logger. Take readings
as usual and store complete datasets (capacity 6000
datasets) with the push of a button. Each dataset contents
batch number, time/date, humidity, Ta, Ts, Td, TΔ and
status byte for alarm. Datasets can be divided over
8 different batches that can be named by the operator.
*No more notebooks and hassle in the field. Just download the
data in your computer using the dedicated evaluating software.*

### ➡ LOG INTERVAL

Use the log-interval mode when measurements have to
be taken during absence of the operator or when
continuous recording is required.* Datasets are
automatically stored at a user-set interval. "Out of limit"
situations will be indicated. A maximum of 12000 datasets
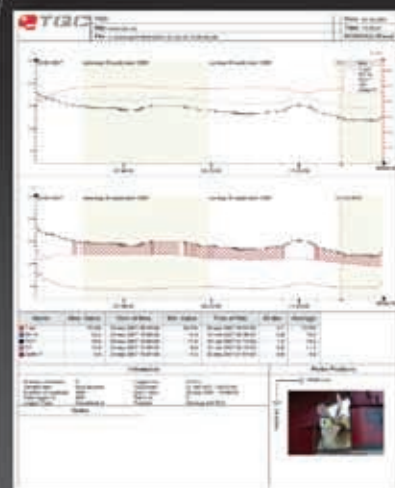can be stored in 8 different batches.

### ➡ DEWCHECK  DOCK

*To optimise the data-logging features and to connect
DewCheck® 4 with a PC the DewCheck® Dock is
indispensable. The magnetic Dock unit attaches to the
back of the instrument and fixes the gauge firmly to
ferrous metal substrates. The Dock unit comes with a
magnetic surface temperature probe that overrides the instrument's integrated surface
probe so correct surface temperature readings are guaranteed. An integrated USB-port
connects the DewCheck® with Dock-unit to the PC.

### ➡ DEWLOG EVALUATION SOFTWARE

A simple yet powerful software downloads all data from
the instrument and creates professional climate reports.
With graphs of all parameters complete with "out of spec"
indications, statistics, and written information about when
and how long a parameter has exceeded its limits.

Further digital pictures of the
painted object or working site can
be included to indicate where
measurements were taken.

# DewCheck®4

*Top quality coating jobs require top quality equipment*

## ➡ SPECIFICATIONS

|  | Accuracy | Resolution | Range |
|---|---|---|---|
| Humidity | ± 3%rh* | 0.5% | 0…100%rh |
| Temperature Ta (Air) | ± 0.5°C / 1°F | 0.1 °C / 0.1°F | -20…+80°C / -4...+ 175°F |
| Temperature Ts (Surface) | ± 0.5°C / 1°F | 0.1°C / 0.1°F | -30…+60°C / -22...+ 140°F |
| Temperature T (Surface external) | ± 0.5°C / 1°F | 0.1°C / 0.1°F | -30…+60°C / -22...+ 140°F |
|  | *at 23°C | | |

### HARDWARE

| | |
|---|---|
| Dimensions | 195 x 75 x 35 mm. |
| Weight (incl. batteries) | ± 300 gram |
| Power | 3 X AA 1.5 batteries |
| Typical lifetime | 400 hours continuous use, 12 months interval logging. |

### DISPLAY
• Operating temperature range: -20…+60°C / -4…+140°F



## ➡ SCOPE OF SUPPLY

**DewCheck®4 (DC7000)**
• DewCheck®4 dewpoint meter
• 3 X AA Alkaline batteries, placed inside the instrument
• Genuine leather pouch
• Handstrap
• Calibration certificate
• Manual

**Optional DewCheck®4 Dock (DC7500)**
• Adaptor Unit
• Magnetic surface temperature probe
• DewLog evaluation software
• USB-cable
• Allen key 2.5 mm