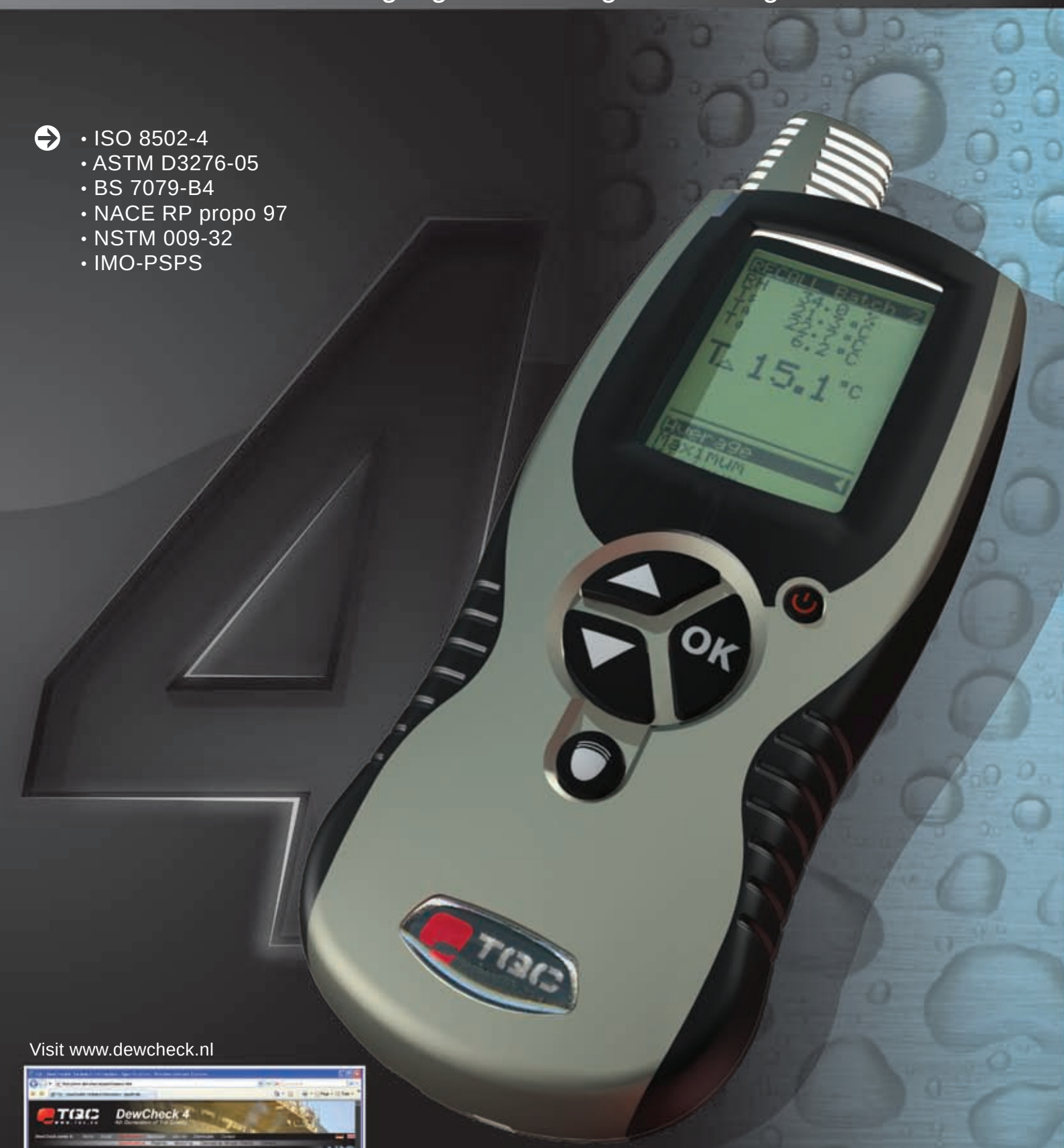
TQC

WWW.TQC.EU

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

Rely on our quality to improve yours

2YR TWO YEAR WARRANTY

DewCheck® 4

A coating job stands or falls with its climatic conditions. Make it successful by

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
- TΔ: Difference between dewpoint and surface temperature

SIMPLE

- One hand operation, kee
- Easy menu-driven user in of your choice, (English,
- 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

using DewCheck® 4.

ps 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
ost airborne contaminations.

handheld 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

h parameter. Acoustic and visual
an active limit.

heit.
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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.

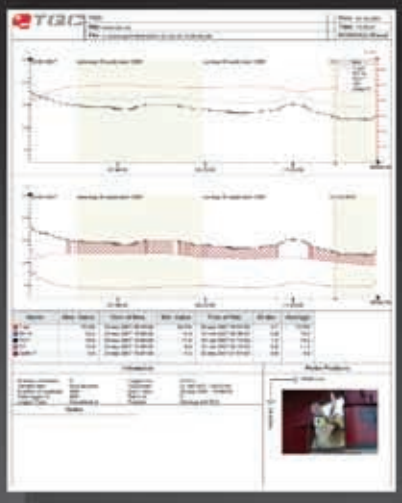
DEWCHECK DOCK

*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

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