



Product Service

Competence.
Certainty.
Quality.

Technical Report No.

71308705

dated

23.06.2006

Client: **Mettler - Toledo GmbH**
Unter dem Malesfelsen 34
D-72458 Albstadt-Ebingen

Manufacturer and / or location of manufacturing: **see client.**

Unit under test (UUT): **Terminal ID30-HMI-Box6.**

Test specification: **Sealing test re. test of degree of protection provided by enclosure in accordance to DIN 60529.**

Test scope: **Verification of suitability for intended application according the under position 3 detailed test specification.**

Test result: **The unit under test was opened. The visual inspection showed no deficiencies or damages.**
The test requirements were met.

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Accredited Test Laboratory
Deutsche Akkreditierungsstelle Technik
(DA Tech) e. V.
DAR-Reg.No. DAT-P—087/99-11



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1 Unit under test (UUT)

The unit under test was a terminal.

Type: ID30-HMI-Box6

Serial-No.: PT 2006 – 06

2 Test scope

2.1 Date of order, initial of client

Company Mettler - Toledo GmbH orders from TÜV SÜD Product Service GmbH with order sheet dated 30.05.2006, to test the a.m. UUT.

2.2 Receipt of UUT

The sample was delivered on 31.06.2006 by the client.

3 Test specification

3.1 Degree of protection

3.1.1 IP 6X

Housing of UUT connected to a vacuum pump with a low air pressure at 2 kPa (20 mbar).

Test duration: 8 h; flow rate of air volume < 40-fold per h

3.1.2 IP X9K (Test was happened by ICT)

fan nozzle

distance nozzle to UUT: 100 mm to 150 mm

water flow rate: 14 l/min to 16 l/min

water temperature: 80°C ± 5°C

water pressure: 8000 kPa to 10000 kPa

spray in position: 0°, 30°, 60°, 90°

test duration: 30 s per position

UUT on rotary table: rpm (5 ± 1)/min



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4 Test equipment

Equipment	Type	Ser.-No.	Manufacturer
Dust chamber:	1000 ST		Weiss
Splash chamber steamjet	SWK		Brabender Falch

The measuring equipment is calibrated regularly according to the calibration instructions of TÜV SÜD PRODUCT SERVICE GmbH. All calibrations are traced back to national standards.

5 Test sequence

No.	Test	Test date	Notes
1	Protection against water - IP X9K	09.06.2006	
2	Protection against solid foreign objects - IP 6X	21.06.2006	

Edited
Signature

Alexander Blem, Haridimos Mountogianakis
Test Engineer

Verified
Signature

Wolfgang Jakobi
Dept. Manager



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6 Photo documentation

Photo 1: dust test

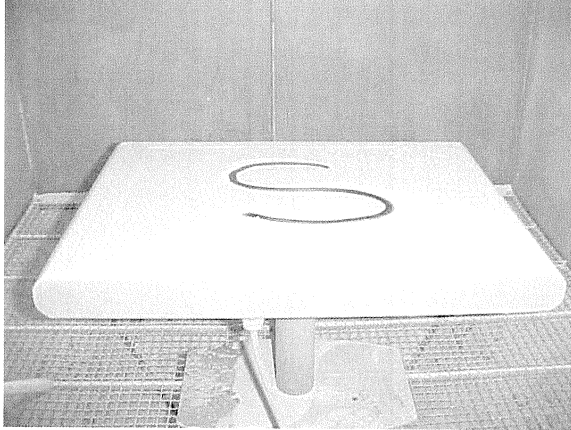


Photo 2: terminal, opened



Photo 3: terminal, opened

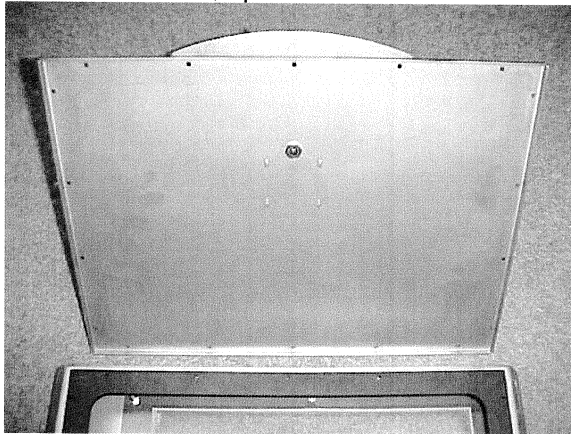


Photo 4: terminal, opened

