



Translation

Type Examination Certificate

(1)

Type Examination Certificate

(2)

- Directive 94/9/EC -

**Equipment and protective systems intended for use
in potentially explosive atmospheres**

(3)

DMT 00 E 096

(4) **Equipment:** **Meßzelle type M22 or M45**

(5) **Manufacturer:** **Mettler-Toledo (Albstadt) GmbH**

(6) **Address:** **72423 Albstadt**

(7) The design and construction of this equipment and any acceptable variation thereto are specified in the schedule to this type examination certificate.

(8) The certification body of Deutsche Montan Technologie GmbH certifies that this equipment has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of category 3 equipment intended for use in potentially explosive atmospheres, given in Annex II to the Directive.
The examination and test results are recorded in confidential test and assessment report BVS PP 00.2087 EC.

(9) The Essential Health and Safety Requirements are assured by compliance with:

EN 50021:1999	type of protection 'n'
EN 50281-1-1: 1998	Electrical apparatus for use in the presence of combustible dust part 1-1: Electrical apparatus protected by enclosures – Construction and testing

(10) If the sign "X" is placed after the certificate number, it indicates that the equipment is subject to special conditions for safe use specified in the schedule to this certificate.

(11) This certificate relates only to the design, type examination and tests of the specified equipment in accordance to Directive 94/9/EC. Further requirements of the Directive apply to the manufacturing process and supply of this equipment. These are not covered by this certificate.

(12) The marking of the equipment shall include the following:

 **II 3G EEx nA IIC T6**
II 3D IP 67 T 50 °C

Deutsche Montan Technologie GmbH

Essen, dated 13. December 2000

Signed: Jockers

Signed: Dill

DMT-Certification body

Head of special services unit

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Franz-Fischer-Weg 61, 45307 Essen, Telefon (0201)172-1416, Telefax (0201)172-1716

(13)

Appendix to

(14)

Type Examination Certificate

DMT 00 E 096

(15) 15.1 Subject and type
load cell type M22 or M45

15.2 Description

The load cell type M22 or M45 is part of a weighing platform based on foil strain gauge technology with direct transmission of force or with load-lever-system.

The load cell is operated only in connection with the indicating- and operating terminal type ID7xx, product of Mettler Toledo. The measures of explosion protection concerning the terminal are not regarded in this test report.

The load cell type M22 or M45 meets category 3D / 3G.

15.3 Parameters

15.3.1 Electrical data

Input voltage	max. DC	12	V
Current	max.	125	mA
Power	max.	1,8	VA

15.3.2 Thermal data

permitted ambient temperature	- 10 °C...+40	°C
maximum surface temperature	50	°C

15.3.3 Degrees of protection according to EN 60529 IP 67

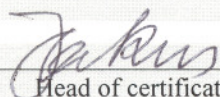
(16) Test report
Nr. BVS PP 00.2087 EG, dated 13.12.2000

(17) Special conditions for safe use
None


We confirm the correctness of the translation from the German original.
In the case of arbitration only the German wording shall be valid and binding.

44329 Essen, 13.12.2000
BVS-Hr/Hm A 20000452

Deutsche Montan Technologie GmbH



Head of certification body



Head of special services unit