

Mettler-Toledo (ChangZhou) Scale & System Ltd.  
111 ChangXi Road, ChangZhou, JiangSu,  
213001 ,P.R.China

**Project ref.:**  
Mettler-Toledo/China  
Attn: Liu YuChun MT-CN

**Oslo:**  
**2005-04-26**

**Nemko project no.:**  
**32095**

**COVERING LETTER**

Please find enclosed our Certificate as a result of the above mentioned order.

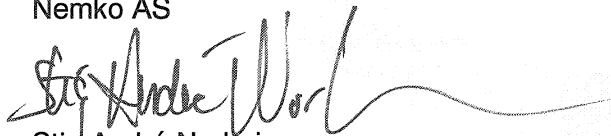
**Payment:**

For payment of the enclosed invoice, we refer to the account nos. etc. quoted in the invoice heading, and suggest use of SWIFT transfer address DNBANOKK through DEN NORSKE BANK, P.O.Box 1171 Sentrum, N-0107 Oslo, Norway (Phone: +47 22 48 10 50, Fax: +47 22 48 18 70)

Kindly quote our given order no. on the payment.

We thank you for this assignment, and are looking forward to our continued co-operation.

Nemko AS



Stig André Norheim  
Project engineer

Enclosed:            Certificate

*Nemko AS is an independent testing and certification laboratory offering services world wide from our offices/subsidiaries in Norway, England, Germany, Italy, USA and Taiwan.*

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Enterprise number:  
NO 974404532

**[1] TYPE EXAMINATION CERTIFICATE****[2] Equipment Intended for use in Potentially Explosive Atmospheres Directive 94/9/EC****[3] Type Examination Certificate Number: Nemko 04ATEX3487X****[4] Equipment: Scale with power supply****[5] Applicant: Mettler-Toledo Gmbh****[6] Address: Industry  
Sonnenbergstrasse 74  
CH-8603 Schwerzenbach, Switzerland**  
**[5] Manufacturer: Mettler-Toledo (ChangZhou)**  
**[6] Address: Precision Instrument Ltd.  
5 HuaShanZhong Lu,  
ChangZhou, JiangSu, 213022  
P.R.C****[7] This equipment and any acceptable variation thereto are specified in the schedule to this certificate and the documents therein referred to.****[8] Nemko AS, certifies that this equipment has been found to comply with the Essential Health and Safety Requirements that relate to the design of Category 3 equipment, which is intended for use in potentially explosive atmospheres. These Essential Health and Safety Requirements are given in Annex II to European Union Directive 94/9/EC of 23 March 1994.****[9] The examination and test results are recorded in confidential report no. 32095****[10] Compliance with the Essential Health and Safety Requirements, with the exception of those listed in the schedule of this certificate, has been assessed by reference to:**

CENELEC EN 60079-15 : 2003

**[11] 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.****[12] This TYPE EXAMINATION CERTIFICATE relates only to the design, examination and tests of the specified equipment or protective system in accordance to the 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.****[13] The marking of the equipment shall include the following:**

II 3 G

EEx nAL IIC T4

Oslo, 2005-04-26

  
Rolf Hoel  
Certification Department

*This certificate and its schedules may only be reproduced in its entirety and without any change*

## Schedule

**TYPE EXAMINATION CERTIFICATE No**      **Nemko 04ATEX3487X**

### Description of Equipment

This certificate covers the Paint Mixing Scale Panda 7, category II 3 G (Zone 2) for connection to the PS-EX2 Power Supply Unit, for mounting non-classified locations.

The power supply PS-EX2 has no Ex code due to that this adapter is for use in non-classified locations. It will be connected to the scale coded EEx nAL IIC T4 by means of a cable and plug. The scale has a power supply input socket, classified nA. The connection plug is secured and prevented from being accidentally separated from the socket on the scale by means of a locking device.

### Type Designation

Power supply: PS-EX2  
Scale: Panda 7

### Technical Data

Power supply type PS-EX2: AC input: 100mA 230V 50Hz, DC output: 250mA 15V  
Scale type Panda 7:  $U_i=11V$ ,  $I_i=26mA$ ,  $P_i=0.286W$ ,  $C_i=1.13nF$ ,  $L_i=0mH$

### Ingress Protection Code

IP40 by location according to EN 60529.

**Report No. 32095**

### Descriptive documents for Panda 7:

Title/Description	Number	Issue	Date
PS7-X Explosion Drawing      2 sheets	ME-2130 3108	-	2001-05-23
Installation and Maintenance Instructions	-	-	2005
Main Board PS7 EX	ME-21302890	B	2001-10-29
Main-Board PS7 Ex      2 sheets	ES-21302890	B	2001-10-29
Top Layer/Layer1/Layer2/Bottom Layer Main Board PS7 Ex 4 sheets	CL-21302950	B	2001-10-29
Stueckliste Mettler Toledo 3 sheets	21302890	-	2001-10-29
Display Modul PS7-X	ME-2130 2892	-	2001-05-31
13. Appendix 1	13-1 Schematic Diagram		2001-03-23
Bill of material	EMBD02211-T-LED01-YG-12	A06	2001-03-23
Board Top layer / print: Display Modul PS7-X	ME-2130 2892	-	2001-05-31
Board bottom Layer / Print: display Modul PS7-X	ME-2130 2892	-	2001-05-31/L/C
L/C Assy; General Dimension	ME-21302915	A	2000-05
Schildersatz PS7-X	ME-21303110	A	2001-11-22

### Routine Test

00

### Special Conditions for Safe Use

[11]

- Ambient temperature range of the scale is 0°C to 40°C
- Impact test performed at 4J/0,4m due to low risk of mechanical danger according to manufacturer's instructions.

### Essential Health and Safety Requirements

See item 10

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