



IECEx Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification Scheme for Explosive Atmospheres

for rules and details of the IECEx Scheme visit www.iecex.com

Certificate No.: IECEx KEM 09.0028 issue No.:0 Certificate history:

Status: **Current**

Date of Issue: **2009-08-18** Page 1 of 3

Applicant: **Mettler-Toledo AG**
Heuwinkelstrasse
CH-8606 Naenikon
Switzerland

Electrical Apparatus: **Digital Load Cell POWERCELL® PDX® Model SLC820 ***
Optional accessory:

Type of Protection: **Ex nA, Ex tD A22**

Marking: **Ex nA II T6**
Ex tD A22 IP6X T85 °C

*Approved for issue on behalf of the IECEx
Certification Body:*

C.G. van Es

Position:

Certification Manager

*Signature:
(for printed version)*

Date:

2009-08-18

1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting the Official IECEx Website.

Certificate issued by:

KEMA Quality B.V.
Utrechtseweg 310
6812 AR Arnhem
The Netherlands





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Manufacturer: **Mettler-Toledo (Changzhou) Measurement Technology Ltd.**
No. 111, West Taihu Road, Xinbei District, Changzhou City, Jiangsu Province
China

Manufacturing location(s):

This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEx Quality system requirements. This certificate is granted subject to the conditions as set out in IECEx Scheme Rules, IECEx 02 and Operational Documents as amended.

STANDARDS:

The electrical apparatus and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards:

IEC 60079-0 : 2004 Edition: 4.0	Electrical apparatus for explosive gas atmospheres - Part 0: General requirements
IEC 60079-15 : 2005-03 Edition: 3	Electrical apparatus for explosive gas atmospheres Part 15: Construction, test and Marking of Type of Protection "n" electrical apparatus
IEC 61241-0 : 2004 Edition: 1	Electrical apparatus for use in the presence of combustible dust - Part 0: General requirements
IEC 61241-1 : 2004 Edition: 1	Electrical apparatus for use in the presence of combustible dust - Part 1: Protection by enclosures "tD"

*This Certificate **does not** indicate compliance with electrical safety and performance requirements other than those expressly included in the Standards listed above.*

TEST & ASSESSMENT REPORTS:

A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in

Test Report:

NL/KEM/ExTR09.0033/00

Quality Assessment Report:

CN/CQM/QAR07.0004/01



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

Description

The Digital Load Cell POWERCELL[®] PDX[®] Model SLC820 * is used to convert a mechanical force or load into an electrical signal. The load cell is of a hermetically sealed construction and is provided with two connectors for connection of a cable (300 m maximum) to the host terminal (HRcable) or for connection of a cable to the next Load Cell (C2Ccable) in a daisy chain of Load Cells. A maximum of 24 load cells are connected in a daisy chain (200 m maximum) and the last load cell has a termination connector in the second connector.

The enclosure of the load cell provides a degree of protection of at least IP6X in accordance with IEC 60529.

Ambient temperature range -40 °C to +55 °C

The maximum surface temperature T85 °C is based on an ambient temperature of +55 °C.

Electrical data

Supply: Umax = 26.4 V, Imax = 2 A, Pmax = 0.5 W/load cell

CONDITIONS OF CERTIFICATION: NO