

(1) **TYPE EXAMINATION CERTIFICATE**

(2) **Equipment and protective systems intended for use in potentially explosive atmospheres - Directive 94/9/EC**

(3) Type Examination Certificate Number: **KEMA 09ATEX0063** Issue Number: 1

(4) Equipment: **Digital Load Cell POWERCELL® PDX® Model SLC820 ***

(5) Manufacturer: **Mettler-Toledo (Changzhou) Measurement Technology Ltd.**

(6) Address: **No. 111, West Taihu Road, Xinbei District, Changzhou City, Jiangsu Province, China**

(7) This equipment and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

(8) KEMA Quality B.V. certifies that this equipment has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment and protective systems intended for use in potentially explosive atmospheres given in Annex II to the directive.

The examination and test results are recorded in confidential test report no. NL/KEM/ExTR09.0033/00.

(9) Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

**EN 60079-0 : 2006
EN 612141-0 : 2006**

**EN 60079-15 : 2005
EN 61241-1 : 2004**

(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 Type Examination Certificate relates only to the design, examination and tests of the specified equipment and not to the manufacturing process and supply of this equipment.

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



**II 3 G Ex nA II T6
II 3 D Ex tD A22 IP6X T 85 °C**

This certificate is issued on August 18, 2009 and, as far as applicable, shall be revised before the date of cessation of presumption of conformity of (one of) the standards mentioned above as communicated in the Official Journal of the European Union.

KEMA Quality B.V.



C.G. van Es
Certification Manager



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(13) **SCHEDULE**

(14) **to Type Examination Certificate KEMA 09ATEX0063**

Issue No. 1

(15) **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 IP 6X in accordance with EN 60529.

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

The maximum surface temperature T 85 °C is based on an ambient temperature of + 55 °C.

Electrical data

Supply: Umax = 26.4 V, Imax = 2 A.

(16) **Test Report**

KEMA No. NL/KEM/ExTR09.0033/00.

(17) **Special conditions for safe use**

None.

(18) **Essential Health and Safety Requirements**

Covered by the standards listed at (9).

(19) **Test documentation**

As listed in Test Report No. NL/KEM/ExTR09.0033/00.