

CERTIFICATE

(1) Type Examination

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

(3) Type Examination Certificate Number: **DEKRA 14ATEX0030**

Issue Number: **1**

(4) Equipment: **Load Cell Model SLB615D**

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

(6) Address: **No. 111 West Taihu Road, Changzhou, Jiangsu, 213125, P.R. China**

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

(8) DEKRA Certification 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. 216658300.

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

EN 60079-0 : 2012

EN 60079-15 : 2010

EN 60079-31 : 2009

(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
II 3 D**

**Ex nA IIC T6 Gc
Ex tc IIIC T85 °C Dc**

This certificate is issued on 08 April 2014 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.

DEKRA Certification B.V.


R. Schuller

Certification Manager

Page 1/2

Integral publication of this certificate and adjoining reports is allowed. This Certificate may only be reproduced in its entirety and without any change.

(13) **SCHEDULE**

(14) **to Type Examination Certificate DEKRA DEKRA 14ATEX0030**

Issue No. 1

(15) **Description**

The Load Cell Model SLB615D is used to convert a mechanical force or load into an electrical signal. The load cell is of a hermetically sealed construction.

Applicable capacities are 220 kg, 550 kg, 1,1 t, 2,2 t and 4,4 t.

The load cell is provided with two connectors for connection of a cable (250 m maximum) to the host terminal (HRcable) or for connection of a cable to the next Load Cell (C2Cable) in a daisy chain of Load Cells. A maximum of 14 load cells are connected in a daisy chain (300 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 EN 60529.

Ambient temperature range -20 °C to +55 °C.

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

Electrical data

Signal and supply:

U_{max} = 28 V, I_{max} = 50 mA, P_{max} = 0,5 W / load cell.

From the safety point of view the circuit shall be considered to be galvanically connected to earth.

Installation instructions

The instructions provided with the equipment shall be followed in detail to assure safe operation.

(16) **Test Report**

No. 216658300.

(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. 216658300.