



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 PTB 16.0005 Issue No: 0 Certificate history:
Issue No. 0 (2016-02-08)

Status: **Current** Page 1 of 3

Date of Issue: **2016-02-08**

Applicant: **VELOMAT Messelektronik GmbH**
Schwarzer Weg 23b
01917 Kamenz
Germany

Electrical Apparatus: **Load cell type SKA-30X-Y-1.Z0S ATEX**
Optional accessory:

Type of Protection: **General requirements, Intrinsic Safety**

Marking: Ex ib IIB T4 Gb

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

Dr.-Ing. Udo Gerlach

Position:

Head of Working Group Ignition Hazards of Modern Energy Supply
Systems

*Signature:
(for printed version)*

Date:

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](http://www.iecex.com).

Certificate issued by:

Physikalisch-Technische Bundesanstalt (PTB)
Bundesallee 100
38116 Braunschweig
Germany





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Manufacturer: **VELOMAT Messelektronik GmbH**
Schwarzer Weg 23b
01917 Kamenz
Germany

Additional 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 : 2011 Explosive atmospheres - Part 0: General requirements
Edition:6.0
IEC 60079-11 : 2011 Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"
Edition:6.0

*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:

[DE/PTB/ExTR16.0006/00](#)

Quality Assessment Report:

[DE/PTB/QAR12.0008/01](#)



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

The load cell types SKA-30X-Y-1.Z0S ATEX are used to measure forces in the hazardous area. There they are used among other things in tape scales, container scales, platform scales and hanging scales for measuring forces on machine parts, leers or shafts.

The permissible ambient temperature range is -15°C to $+60^{\circ}\text{C}$.

Electrical data

Supply and signal circuit in type of protection Intrinsic Safety Ex ib IIB
U_i = 25,2 V
I_i = 125 mA
P_i = 0,8 W
C_i = 0,65 μF
L_i negligible low

CONDITIONS OF CERTIFICATION: NO