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 SIR 07.0078 issue No.:2	Certificate history: Issue No. 2 (2010-5-7) Issue No. 1 (2008-5-1) Issue No. 0 (2008-1-4)
Status:	**Current**	
Date of Issue:	**2010-05-07**	Page 1 of 4

Applicant: **Elite Transducers Limited**
6 Zephyr House
Calleva Park
Aldermaston
Berkshire RG7 8JN
United Kingdom

Electrical Apparatus: **SELB, DELB, DELP and CLC Load Cells**
Optional accessory:

Type of Protection: **Intrinsically Safe and Dust**

Marking: **Ex ia IIC T6**
Ex tD A20 IP68 T85°C
(-20°C ≤ Ta ≤ +60°C)

Approved for issue on behalf of the IECEx Certification Body: D R Stubbings

Position: Certification Manager

Signature:
(for printed version)

Date: 2010-05-07

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:

SIRA Certification Service
Rake Lane
Eccleston
Chester
CH4 9JN
United Kingdom

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Manufacturer: **Elite Transducers Limited**
6 Zephyr House
Calleva Park
Aldermaston
Berkshire RG7 8JN
United Kingdom

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 60079-11 : 2006 Edition: 5	Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"
IEC 60079-26 : 2004 Edition: 1	Electrical apparatus for explosve gas atmospheres - Part 26: Construction, test and marking of Group II Zone 0 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:

GB/SIR/ExTR07.0126/00
GB/SIR/ExTR08.0049/00
GB/SIR/ExTR10.0096/00

Quality Assessment Report:
GB/SIR/QAR08.0001/00

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Schedule

EQUIPMENT:
Equipment and systems covered by this certificate are as follows:

The SELB, DELB, DELP and CLC Load Cells are designed to be fitted into equipment such as weighing machines to measure the load applied to them. The load cells comprise a stainless steel block, fitted within recesses in this block are either one or two strain gauge arrangements, optional nickel resistors, terminal boards and amplifier PCBs. The electrical devices are encapsulated and sealed within the block by a welded stainless steel cover. An integral cable with a maximum length of 30 m permits connection to the load cell. An alternative version permits the amplifier board to be fully encapsulated in a steel enclosure that may be fitted external to the load cell.

Refer also to Annexe.

CONDITIONS OF CERTIFICATION: NO

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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above):

Issue 1 - this Issue introduced the following changes:	
1	An alternative version of the DELP-IGP-AMP Load Cell was recognised, this device has a plug connector in place of the integral cable and is designated the DELP-IGP-AMP-C Load Cell.
2.	The use of an alternative cable was permitted, this cable may be used with all versions of the Load Cells.
Issue 2 - this Issue introduced the following changes:	
1	Specification of the maximum input current applicable to all products.
2	Alternative versions of the load cells (all models now included in Annexe)

Annexe: 07.0078_Issue2_Annexe.pdf