1 # EC - TYPE EXAMINATION CERTIFICATE

2 **Equipment or Protective System Intended for use in Potentially Explosive Atmospheres Directive 94/9/EC**

3 EC - Type Examination Certificate Number: **Baseefa04ATEX0039**

4 Equipment or Protective System: **A Range of Single Ended Beam Load Cells Type ACB**

5 Manufacturer: **Revere Transducers Europe BV**

6 Address: **Ramshoorn 7, Breda, NL-4824AG, The Netherlands.**

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

8 Baseefa (2001) Ltd. Notified body number 1180, in accordance with Article 9 of the Council Directive 94/9/EC of 23 March 1994, certifies that this equipment or protective system 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 Report No. **03(C)0941**

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

EN 50014: 1997 + A1 & A2 **EN 50020: 2002** **EN 50284: 1999** **EN 50303: 2000**

except in respect of those requirements listed at item 18 of the Schedule.

10 If the sign "X" is placed after the certificate number, it indicates that the equipment or protective system is subject to special conditions for safe use specified in the schedule to this certificate.

11 This EC - TYPE EXAMINATION CERTIFICATE relates only to the design and construction of the specified equipment or protective system. Further requirements of the Directive apply to the manufacturing process and supply of this equipment or protective system. These are not covered by this certificate.

12 The marking of the equipment or protective system shall include the following :

Ex II 1GD T70ºC EEx ia IIC T4 / T6 (See Schedule) or Ex I M1 EEx ia I ($-20ºC \leq T_a \leq +40ºC$)

This certificate may only be reproduced in its entirety, without any change, schedule included.

Baseefa (2001) Ltd. Customer Reference No. **5208**

Project File No. **03/0941**

This certificate is granted subject to the general terms and conditions of Baseefa (2001) Ltd. It does not necessarily indicate that the equipment may be used in particular industries or circumstances.

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R S SINCLAIR
DIRECTOR
On behalf of
Baseefa (2001) Ltd.

13 # Schedule

14 ## Certificate Number Baseefa04ATEX0039

15 Description of Equipment or Protective System

The Range of Single Ended Beam Load Cells Type ACB is designed to support a range of loads from 250Kg to 5000Kg and to provide an electrical output proportional to the applied load.

The load cells comprise a stainless steel beam, which incorporates a number of bonded strain gauge elements interconnected in a bridge arrangement along with compensation and calibration components, encapsulated and mounted behind a welded cover. The load cells are supplied with a 50m max. integral cable for connection to an intrinsically safe source and measurement system.

U_i = 25V
I_i = 1A
Either P_i = 1.3W for Group IIC T6
or P_i = 2.75W for Group IIC T4 and Group I and Group II Dust T70°C.
C_i = 0.8nF for 50m cable
L_i = 0

16 Report Number

03(C)0941

17 Special Conditions for Safe Use

None

18 Essential Health and Safety Requirements

All relevant Essential Health and Safety Requirements are covered by the standards listed at item 9.

19 Drawings and Documents

Number	Sheet	Issue	Date	Description
899186	1	-	26/05/2004	General Assembly ACB (Bending) 250Kg Load Cells
899186	2	-	26/05/2004	General Assembly ACB (Shear) Load Cells
899186	3	-	23/12/2003	Outline (Bending) 250Kg ACB Load Cells
899186	4	-	19/02/2004	Outline (Shear) ACB Load Cells
899142	1	A	24/01/2000	Rectangular p.c.b.
899142	2	A	24/01/2000	Rectangular p.c.b.
899188	1	-	22/12/2003	p.c.b. Track layout ACB Load Cells
899188	2	-	22/12/2003	p.c.b. Track layout ACB Load Cells
E-490013	1	-	10/03/2004	Certification Label ACB Load Cells
E-490002	1	A	30/01/2001	Name Plate Label ACB Load Cells
E-490015	1	-	27/04/2004	Certification Labels ACB Load Cells I.S., nA & D

These drawings are also associated with Baseefa04ATEX0040X and Baseefa04ATEX0141X