



EC-TYPE EXAMINATION CERTIFICATE

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

EC-Type Examination Certificate Number : **BAS00ATEX1108**

Equipment or Protective System: **CYGNUS-1 DIGITAL THICKNESS GAUGE**

Manufacturer: **CYGNUS INSTRUMENTS LIMITED**

Address: **Dorchester, Dorset, DT1 1PW**

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

The Electrical Equipment Certification Service, notified body number 600 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 N°

01(C)0942 dated 29 January 2002

Compliance with the Essential Health and Safety Requirements has been assured by compliance with:
EN 50014: 1997 + Amds 1 & 2 **EN 50020: 1994** **EN 50284: 1999**
except in respect of those requirements listed at item 18 of the Schedule.

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.

This EC-TYPE EXAMINATION CERTIFICATE relates only to the design and construction of the specified equipment or protective system. If applicable, further requirements of this Directive apply to the manufacture and supply of this equipment or protective system.

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

II 1 G **EEx ia IIC T2** ($T_{amb} = 0^{\circ}\text{C to } 45^{\circ}\text{C}$)

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

File No: **EECS 0256/02/002**

This certificate is granted subject to the general conditions of the Electrical Equipment Certification Service. It does not necessarily indicate that the apparatus may be used in particular industries or circumstances.



Electrical Equipment Certification Service
Health and Safety Executive
Harpur Hill, Buxton, Derbyshire, SK17 9JN, United Kingdom
Tel: +44(0)1298 28000 Fax: +44(0)1298 28244
Internet: www.bascefa.com e-mail: bascefa.info@hse.gov.uk



I M CLEARE
DIRECTOR
30 January 2002

Re-issued 19 July 2002 to correct equipment title

CERTATEX-EQUIPCAT1-2/P, Issue 1, Dated September 1998



1 **SUPPLEMENTARY EC - TYPE EXAMINATION CERTIFICATE**

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

3 Supplementary EC - Type Examination Certificate Number: **BAS00ATEX1108/2**

4 Equipment or Protective System: **CYGNUS-1 Mk 3 DIGITAL THICKNESS GAUGE**

5 Manufacturer: **CYGNUS INSTRUMENTS LIMITED**

6 Address: **Dorchester, Dorset, DT1 1PW**

7 This supplementary certificate extends EC – Type Examination Certificate No. BAS00ATEX1108 to apply to equipment or protective systems designed and constructed in accordance with the specification set out in the Schedule of the said certificate but having any variations specified in the Schedule attached to this certificate and the documents therein referred to.

This supplementary certificate shall be held with the original certificate.

The original certificate was issued by The Electrical Equipment Certification Service, Notified Body Number 0600, which retains responsibility for its original documentation. Baseefa (2001) Ltd., Notified Body Number 1180, is responsible only for the additional work relating to this supplementary certificate and any other supplementary certificate it has issued.

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

Baseefa (2001) Ltd. Customer Reference No. **0256**

Project File No. **02/0503**

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.

A handwritten signature in black ink, appearing to read "R S Sinclair".

Baseefa (2001) Ltd.
Health and Safety Laboratory Site, Harpur Hill,
Buxton, Derbyshire SK17 9JN
Telephone +44 (0) 1298 28255 Fax +44 (0) 1298 28216
e-mail info@baseefa2001.biz web site www.baseefa2001.biz
Registered in England No. 4305578 at 13 Dovedale Crescent, Buxton,
Derbyshire, SK17 9BJ

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

Schedule

8 Description of the variation to the Equipment or Protective System

Variation 2.1

To permit an alternative Temperature Classification of T6 with the ambient temperature range limited to 40°C when the Cygnus-1 Digital Thickness Gauge is fitted with a Battery Pack Type 001-1505. The marking code becomes Ex II 1 G EEx ia IIC T6 ($-20^{\circ}\text{C} \leq T_a \leq 40^{\circ}\text{C}$).

9 Report Number

None.

10 Special Conditions for Safe Use

None

11 Essential Health and Safety Requirements

Compliance with the Essential Health and Safety Requirements is not affected by this variation.

12 Drawings and Documents

Number	Sheet	Issue	Date	Description
CYG 794	1	I	13/03/03	General Assembly Gauge
CYG 794	3	D	13/03/03	Marking
CYG 794	4	A	13/03/03	Alternative T6 Battery Pack Type 001-1505



1 SUPPLEMENTARY EC - TYPE EXAMINATION CERTIFICATE

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

3 Supplementary EC - Type Examination Certificate Number: BAS00ATEX1108/4

4 Equipment or Protective System: Cygnus-1 Mk 3 Digital Thickness Gauge

5 Manufacturer: Cygnus Instruments Limited

6 Address: Dorchester, Dorset, DT1 1PW

7 This supplementary certificate extends EC – Type Examination Certificate No. BAS00ATEX1108 to apply to equipment or protective systems designed and constructed in accordance with the specification set out in the Schedule of the said certificate but having any variations specified in the Schedule attached to this certificate and the documents therein referred to.

This supplementary certificate shall be held with the original certificate.

The original certificate was issued by The Electrical Equipment Certification Service, Notified Body Number 0600, which retains responsibility for its original documentation. Baseefa, Notified Body Number 1180, is responsible only for the additional work relating to this supplementary certificate and any other supplementary certificate it has issued.

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

Baseefa Customer Reference No. 0256

Project File No. 10/0069

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

Baseefa

Rockhead Business Park, Staden Lane,
Buxton, Derbyshire SK17 9RZ
Telephone +44 (0) 1298 766600 Fax +44 (0) 1298 766601
e-mail info@baseefa.com web site www.baseefa.com
Baseefa is a trading name of Baseefa Ltd
Registered in England No. 4305578. Registered address as above.

A handwritten signature in blue ink, appearing to read "R S Sinclair".

R S SINCLAIR
DIRECTOR
On behalf of
Baseefa



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Schedule

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Certificate Number BAS00ATEX1108/4

15 Description of the variation to the Equipment or Protective System

Variation 4.1

To permit minor drawing changes that do not affect the original assessment.

Variation 4.2

To confirm that the equipment covered by this certificate has been reviewed against the requirements of EN 60079-0:2009 and EN 60079-11:2007 in respect of the differences from EN 50014:1997 + Amds 1 & 2 and EN 50020:1994 and that none of these differences affect this equipment. The Cygnus-1 Mk3 Digital Thickness Gauge is now marked as follows:

⊕ II 1G Ex ia IIC T2/T3/T6 Ga

Variation 4.3

To confirm that the Cygnus-1 Mk3 Digital Thickness Gauge also meets the requirements for Group I, Category M1 including the requirements of EN 50303:2000. The Gauge may be marked:

⊕ IM1 Ex ia I Ma

16 Report Number

None.

17 Special Conditions for Safe Use

None

18 Essential Health and Safety Requirements

Compliance with the Essential Health and Safety Requirements is not affected by this variation.

19 Drawings and Documents

Number	Sheet	Issue	Date	Description
CYG 794	3 of 4	E	01.02.10	Cygnus 1 Gauge Scheme for Intrinsic Safety
BOM for CYG 035-01 Iss D	1 – 3	1.7	06.01.10	Cygnus 1 IS Mk3 Controller Board BOM
BOM for CYG 035-02 Iss D	1 – 3	1.09	24.11.09	Cygnus 1 IS Mk3 Analogue Board BOM
BOM for CYG 035-03 Iss D	1 of 1	4	24.11.09	Cygnus 1 IS Mk3 Display Board BOM