



1 **EC - TYPE EXAMINATION CERTIFICATE**

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

3 EC - Type Examination **Baseefa03ATEX0194**
Certificate Number:

4 Equipment or Protective System: **INTERFACE UNIT TYPE IF410**

5 Manufacturer: **AV TECHNOLOGY LIMITED**

6 Address: **Stockport, Cheshire, SK3 0XU**

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. **02(C)0461**

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

EN 50014: 1997 + Amds 1 & 2 EN 50020: 2002

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 :

e II (1)G [EEx ia] IIC

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

Baseefa (2001) Ltd. Customer Reference No. **0098**

Project File No. **02/0468**

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.

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

14 **Certificate Number Baseefa03ATEX0194**

Description of Equipment or Protective System

15

The Interface Unit IF410 is designed to provide power for intrinsically safe apparatus in the hazardous area and passes signals from the hazardous area apparatus to unspecified apparatus in a non-hazardous area.

The apparatus comprises an electronics printed circuit board mounted in an aluminium enclosure which provides a degree of protection of IP20. Electrical connections are made by coaxial sockets.

Input Parameters

$$U_m = 253V$$

Output Parameters

$$U_o = 14.47V$$

$$I_o = 428mA$$

$$P_o = 1.17W$$

$$C_o = 0.65\mu F$$

$$L_o/R_o = 30\mu H/$$



Report Number

16

02(C)0461

Special Conditions for Safe Use

17

None

Essential Health and Safety Requirements

18

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

Drawings and Documents

19

Number	Issue	Date	Description
02/1841/14/0006	4	25.6.03	Circuit
02/1841/01/0008	2	4.2.91	General assy
02/1841/15/0009	1	23.5.90	PCB silk screen
02/1841/15/0010	1	23.5.90	PCB artwork
02/1841/15/0011	1	23.5.90	PCB artwork
02/1841/01/0012	1	23.5.90	PCB assy
02/1841/02/0013	1	23.5.90	Label details
02/1841/15/0007	2	7.7.03	Label artwork
02/1841/02/0014	1	25.5.90	Transformer