



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: **Baseefa04ATEX0053X**

4 Equipment or Protective System: **TP48 and TP32 Range of Surge Protection Units**

5 Manufacturer: **Atlantic Scientific Corporation (MTL Global Surge Technologies)**

6 Address: **4300 Fortune Place, Suite A, W. Melbourne, Florida 32904, USA**

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. **04(C)0057**

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

**EN 50014: 1997 + Amendments 1 and 2**

**EN 50018: 2000 + Amendment 1**

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 :

**⊕ II 2G EEx d IIC T6 (T<sub>amb</sub> = -40°C to +60°C)**  
**or T5 (T<sub>amb</sub> = -40°C to +80°C)**  
**or T4 (T<sub>amb</sub> = -40°C to +85°C)**

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

Baseefa (2001) Ltd. Customer Reference No. **5229**

Project File No. **04/0057**

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.

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

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## Schedule

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Certificate Number Baseefa04ATEX0053X

### 15 Description of Equipment or Protective System

The TP48 and TP32 range of Surge Protection Units comprises a solid drawn hexagon bar of stainless steel drilled along its axis to accept a printed circuit board with up to five permanently attached cables. The printed circuit board is potted into the housing which has a choice of the male thread form for attachment purposes. The designation of the surge protection units depends upon external thread form, N, I or G for ½" NPT, 20mm, and G1/2 respectively, and the internal component values

The devices are rated at 48Vd.c. with a surge capacity up to 10kA for 20 ms.

Internal and external earth facilities are not provided.

### 16 Report Number

Baseefa Certification Report 04(C)0057

### 17 Special Conditions for Safe Use

1. The permanently attached cables shall be suitably protected against pulling, mechanical damage and terminated within a terminal or junction facility suitable for the conditions of use.
2. These devices are not provided with an external connection facility for an earthing or bonding conductor. It is the user's responsibility to ensure adequate earth continuity via the mounting arrangements.
3. This equipment is also afforded Intrinsically Safe Certification to Baseefa04ATEX0251X, and hence the equipment is dual marked. It is the user's responsibility to determine the protection concept to be applied and permanently mark the equipment in the space provided for guidance in installation and maintenance.

### 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
1100483	1	-	16AUG04	Index Sheet
1100483	2	-	16AUG04	Certification Details
1100483	3	-	16AUG04	Circuit Diagram
1100483	4	-	16AUG04	Internal Components
1100483	5	-	16AUG04	Enclosure
1100483	6	-	16AUG04	Full Assembly

These drawings are common to certificate Baseefa04ATEX0251X.