



EC-TYPE EXAMINATION CERTIFICATE

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

- 1
- 2
- 3 EC-Type Examination Certificate Number : **BAS00ATEX2117X**
- 4 Equipment or Protective System: **A TYPE MTL 951 PLUG AND SOCKET**
- 5 Manufacturer: **MEASUREMENT TECHNOLOGY LIMITED**
- 6 Address: **Luton, Bedfordshire, LU1 3JJ**
- 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 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°

BASEEFA Certification Report No. 99(C)0912 dated 10 July 2000

- 9 Compliance with the Essential Health and Safety Requirements has been assured by compliance with:
EN 50014: 1997 + Amds 1 & 2 EN 50018: 1994 EN 50019: 1994
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. If applicable, further requirements of this Directive apply to the manufacture and supply of this equipment or protective system.
- 12 The marking of the equipment or protective system shall include the following:-

 **II 2 G EEx de IIC T4 (T_{amb} = -40°C to +70°C)**

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

File No: EECS 0703/01/005

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: 01298 28000 Fax: 01298 28244

I M CLEARE
DIRECTOR
19 July 2000



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EC-TYPE EXAMINATION CERTIFICATE N° BAS00ATEX2117X

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Description of Equipment or Protective System

A Type MTL 951 Plug and Socket comprises a 2 core and instrument earth bulkhead socket and an inline plug, rated at up to 230Va.c. 2.5A, or 40Vd.c. 2A. The socket is provided with a male thread for attachment to either a flameproof or an increased safety enclosure, and the inline plug is provided with a female thread for the attachment of a cable gland.

Both enclosures are manufactured from either brass or stainless steel, and an internal earth or ground facility is provided for the socket.

The plug and socket is designed to be separated while energised, with the socket remaining energised.

The plug and socket are designed to be Ex d (flameproof) when mated, and the socket to be Ex e (increased safety) when separated and with the socket cap fitted.

A cable entry hole is provided as specified on the certified drawings for the accommodation of suitable BASEEFA certified flameproof cable entry device, with or without the interposition of a suitable BASEEFA certified flameproof thread adapter. A suitable flameproof cable entry device, and a thread adapter certified as Equipment (not a Component) under an EC Type Examination Certificate to Directive 94/9/EC may also be used in the manner indicated above.

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Report No.

BASEEFA Certification Report No. 99(C)0912

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Special Conditions For Safe Use

1. Only the bulkhead socket may remain energised after separation. The plug must be de-energised.
2. The bulkhead socket must have the socket cap fitted immediately after separation and remain fitted at all times, unless the plug and socket is installed within an enclosure affording a minimum degree of protection of IP54.
3. The maximum plug/socket flamepath gap shall not be remachined to exceed 0.13mm.
4. The cables permanently attached to the socket shall be suitably terminated and protected against impact.



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Essential Health and Safety Requirements

Essential Health and Safety Requirements not covered by Standards listed at (9)		
Clause	Subject	Compliance
1.0.2	Analysis of possible operating faults	BASEEFA Report No. 99(C)0912
1.0.3	Special checking and maintenance conditions	No special requirements
1.2.2	Components for incorporation or replacement	No user serviceable parts
1.2.4	Dust deposits	Certification for gas atmospheres only
1.2.5	Additional means of protection	Not applicable
1.2.7	Protection against other hazards	BASEEFA Report No. 99(C)0912
1.3.5	Hazards arising from pressure compensation	Not applicable
1.5.	General requirements for safety devices	Not applicable
1.6.1	Manual override	Not applicable
1.6.2	Emergency shutdown	Not applicable
1.6.3	Hazards arising from power failure	Not applicable
1.6.5	Placing of warning devices as parts of equipment	Not applicable
2.0.	Category M	Not applicable
2.1.	Category 1	Not applicable
2.2.1	Category 2G	BASEEFA Report No. 99(C)0912
2.2.2	Category 2D	Not applicable
2.3.	Category 3	Not applicable
3.	Requirements for protective systems	Not applicable

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DRAWINGS

Number	Sheet	Issue	Date	Description
CI951-3	1	1	6.00	Plug and Socket General Assembly
CI951-3	2	1	6.00	Plug and Socket General Assembly
CI951-1	1	1	6.00	Plug Assembly
CI951-1	2	1	6.00	Plug Body and Gland Adaptor
CI951-1	3	1	6.00	Plug Insulator and Marking Details
CI951-1	4	1	6.00	Plug Collar and Cap
CI951-1	5	1	6.00	Plug Contact Pins
CI951-2	1	1	6.00	Socket Assembly
CI951-2	2	1	6.00	Socket Body and Contact Pins
CI951-2	3	1	6.00	Socket Cap and Marking Details
CI951-2	4	1	6.00	Socket Insulator
CI951-2	5	1	7.00	Routine Test Procedure

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BASEEFA List Keywords
2PLUG



Flameproof Certification Release From Pressure Testing

Release from individual pressure test is granted to:-

MEASUREMENT TECHNOLOGY LIMITED
Luton
Bedfordshire
LU1 3JJ

I hereby grant release from the obligation to apply individual mechanical pressure tests to all apparatus covered by EC-Type Examination Certification BAS00ATEX2117X and Supplementary Certificates thereto.

The release is conditional upon the maintenance of adequate quality control and inspection during production, to ensure compliance with any specified or implied conditions of certification.

The release is valid until 18 July 2003 unless earlier revoked or suspended.

File No: EECS 0703/01/005



I M CLEARE
DIRECTOR EECS
19 July 2000



Electrical Equipment Certification Service
Health and Safety Executive
Harpur Hill, Buxton, Derbyshire, SK17 9JN, United Kingdom
Tel: 01298 28000 Fax: 01298 28244



Registration Number
020
The use of the Accreditation
Mark indicates accreditation in
respect of those activities
covered by the accreditation
certificate number 020



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: **BAS00ATEX2117X/1**

4 Equipment or Protective System: **A TYPE MTL 951 PLUG AND SOCKET**

5 Manufacturer: **MEASUREMENT TECHNOLOGY LTD**

6 Address: **Luton, Bedfordshire, LU1 3JJ**

7 This supplementary certificate extends EC-Type Examination Certificate No. BAS00ATEX2117X 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.

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File No: EECS 0703/01/005

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I M CLEARE
DIRECTOR
1 August 2001



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14 **SUPPLEMENTARY EC-TYPE EXAMINATION CERTIFICATE N° BAS00ATEX2117X/1**

Description of the Variation to the Equipment or Protective System

VARIATION 1.1

Minor modification to the socket length and potting procedure to facilitate manufacture.

Report No.

None.

Special Conditions For Safe Use

See original certificate.

Essential Health and Safety Requirements

See original certificate.

DRAWINGS

Number	Sheet	Issue	Date	Description
CI951-2	2	2	7.01	Socket Body and Contact Pins
CI951-2	3	2	7.01	Socket Cap and Marking Details

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3 Supplementary EC-Type Examination Certificate Number: **BAS00ATEX2117X/2**

4 Equipment or Protective System: **A TYPE MTL 951 PLUG AND SOCKET**

5 Manufacturer: **MEASUREMENT TECHNOLOGY LTD**

6 Address: **Luton, Bedfordshire, LU1 3JJ**

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I M CLEARE
DIRECTOR
25 February 2002



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14 **SUPPLEMENTARY EC-TYPE EXAMINATION CERTIFICATE N° BAS00ATEX2117X/2**

Description of the Variation to the Equipment or Protective System

VARIATION 2.1

Minor dimensional changes to aid production.

Report No.

None.

Special Conditions For Safe Use

See original certificate.

Essential Health and Safety Requirements

See original certificate.

DRAWINGS

Number	Sheet	Issue	Date	Description
CI951-2	2	3	2.02	Socket Body and Contact Pins

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