



EC - TYPE EXAMINATION CERTIFICATE

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

EC - Type Examination Certificate **Baseefa02ATEX0042**
Number :

Equipment or protective system: **FIELD BUS TERMINATOR TYPE FBT1-IS**

Manufacturer : **MEASUREMENT TECHNOLOGY LTD**

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

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

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)0126**

Compliance with the Essential Health and Safety Requirements has been assured by compliance with:
EN50014:1997 + A1 & A2 EN50020:2002 TS60079-27/CDV EN50284:1999

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 of 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 T4 (-40°C ≤ Ta ≤ +70°C)

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

Baseefa (2001) Ltd. Customer Reference No. **0703**

Project File No. **02/0126**

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.

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



Schedule

15 Description of Equipment or Protective System

The Fieldbus Terminator Type FBT1-IS is designed to be used in fieldbus circuits. It comprises electronic components mounted on a printed circuit board and housed inside a plastic enclosure providing a degree of protection of at least IP20. Integral terminals provide the connection facilities for external circuits, and the unit is intended for rail mounting within another enclosure. The apparatus is suitable for use in a FISCO system.

General Input Parameters:

$U_i = 30V$, $I_i = 250mA$, $P_i = 1.2W$, $C_i = 0$, $Li = 0$

FISCO Parameters:

$U_i = 17.5V$, $I_i = 380mA$, $P_i = 5.32W$, $C_i = 0$, $Li = 0$

16 Report No.

02(C)0126

17 Special Conditions for Safe Use

None

18 Essential Health and Safety Requirements

None additional to those covered by the standards listed at item 9

19 Drawings and Documents

Number	Issue	Date	Description
CI3092-1	1	8.02	Certification Drawing