



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: **BAS02ATEX1057/2**

4 Equipment or Protective System: **MTN/1100I ACCELEROMETER**

5 Manufacturer: **MONITRAN LIMITED**

6 Address: **Penn, Buckinghamshire, HP10 8AD**

7 This supplementary certificate extends EC - Type Examination Certificate No. BAS02ATEX1057 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. **2973**

Project File No. **02/0430**

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

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

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

13

Schedule

14

Certificate Number BAS02ATEX1057/2

15 Description of the variation to the Equipment or Protective System

Variation 2.1

To permit changes to the MTN/1100I*** Accelerometer thus creating a three wire MTN/1109I*** Accelerometer. These changes do not affect the original intrinsic safety assessment.

The apparatus may have an integral cable up to 100m in length.

U_i = 28V
I_i = 93mA
P_i = 0.65W
C_i = 0
L_i = 0

The apparatus is to be coded: (Ex) II 1 G EEx ia IIC T4 (-20°C ≤ T_a ≤ +40°C)

Variation 2.2

To permit all the following versions of the accelerometer to be alternatively marked for inclusion in combustible dusts. The apparatus type number will be suffixed with D and coded as follows:

Original Variation No.	Type	Code
Orig	MTN/1100ID**	(Ex) II 1 GD T45°C EEx ia IIC T6 (-20°C ≤ T _a ≤ +40°C)
0.1	MTN/1900D	(Ex) II 1 GD T45°C EEx ia IIC T6 (-20°C ≤ T _a ≤ +40°C)
0.2	MTN/1107ID**	(Ex) II 1 GD T45°C EEx ia IIB T4 (-20°C ≤ T _a ≤ +40°C)
0.3	MTN/1185ID** or MTN/1187ID**	(Ex) II 1 GD T45°C EEx ia IIC T6 (-20°C ≤ T _a ≤ +40°C)
0.4	MTN/1511D	(Ex) II 1 GD T45°C EEx ia IIC T6 (-20°C ≤ T _a ≤ +40°C)
2.1	MTN/1109ID**	(Ex) II 1 GD T45°C EEx ia IIC T4 (-20°C ≤ T _a ≤ +40°C)

Input parameter and Ci/Li remain as per original variation

16 Report Number

02(C)0430

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
*ATX013	1	1	15.04.03	MTN/1109I and MTN/M1109I - GA
*ATX013	2	1	15.04.03	MTN/1109I and MTN/M1109I - GA
*ATX013	3	1	15.04.03	MTN/1109I and MTN/M1109I - GA
*PC362	1	2	31.01.03	MTN/1109I and MTN/M1109 - Circuit diagram



Number	Sheet	Issue	Date	Description
*PB362	1	3	31.01.03	MTN/1109I and MTN/M1109 - Track layout
*PL362	1	1	18.02.03	MTN/1109I and MTN/M1109 - Component layout
*ATX015	1	1	19.02.03	MTN/1109I and MTN/M1109 - Zener Diode arrangement
ATX06	1	3	15.04.03	MTN/1100I and MTN/M1100I - GA
ATX06	2	3	15.04.03	MTN/1100I and MTN/M1100I - GA
ATX06	3	3	15.04.03	MTN/1100I and MTN/M1100I - GA
ATX05	1	3	15.04.03	MTN/1900 - GA
ATX05	2	3	15.04.03	MTN/1900 - GA
ATX05	3	3	15.04.03	MTN/1900 - GA
ATX01	1	3	15.04.03	MTN/1107I - GA
ATX01	2	3	15.04.03	MTN/1107I - GA
ATX01	3	3	15.04.03	MTN/1107I - GA
ATX03	1	3	15.04.03	MTN/1185I and MTN/1187I - GA
ATX03	2	3	15.04.03	MTN/1185I and MTN/1187I - GA
ATX03	3	3	15.04.03	MTN/1185I and MTN/1187I - GA
ATX07	1	3	15.04.03	MTN/1511 - GA
ATX07	2	3	15.04.03	MTN/1511 - GA
ATX07	3	3	15.04.03	MTN/1511 - GA

* The above drawings are associated with Certificate No. Baseefa02ATEX0245/1