



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: **Baseefa03ATEX0556/2**

4 Equipment or Protective System: **Vibration Meter Type 5500**

5 Manufacturer: **Metrix Instrument Co**

6 Address: **8824 Fallbrook, Houston, Texas, 77064, USA**

7 This supplementary certificate extends EC – Type Examination Certificate No. Baseefa03ATEX0556 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.

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

Baseefa Customer Reference No. **0708**

Project File No. **11/0292**

This certificate is granted subject to the general terms and conditions of Baseefa. It does not necessarily indicate that the equipment may be used in particular industries or circumstances.

Baseefa

Rockhead Business Park, Staden Lane,
Buxton, Derbyshire SK17 9RZ
Telephone +44 (0) 1298 766600 Fax +44 (0) 1298 766601
e-mail info@baseefa.com web site www.baseefa.com
Baseefa is a trading name of Baseefa Ltd
Registered in England No. 4305578. Registered address as above.

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

R S SINCLAIR
DIRECTOR
On behalf of
Baseefa

METRIX DOC No: 1161047
REV: B



13

Schedule

14

Certificate Number Baseefa03ATEX0556/2

15

Description of the variation to the Equipment or Protective System

Variation 2.1

To confirm that the equipment covered by this certificate has been reviewed against the requirements of EN 60079-0:2009 and EN 60079-11:2007 in respect of the differences from EN 50014:1997 + Amds 1 & 2, EN 50020:2002 and EN 50284:1999 and that none of these differences affect this equipment.

The equipment is now marked:

⊕ II 1 G Ex ia IIC T3 Ga $-10^{\circ}\text{C} \leq T_a \leq +60^{\circ}\text{C}$

16

Report Number

None.

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
8212	1 & 2	E	-	Label, 5500 Vibration Meter

The following pages are the prior revisions of this certificate.



1 **SUPPLEMENTARY EC - TYPE EXAMINATION CERTIFICATE**

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

- 3 Supplementary EC - Type Examination Certificate Number: **Baseefa03ATEX0556/1**
- 4 Equipment or Protective System: **Vibration Meter Type 5500**
- 5 Manufacturer: **Metrix Instrument Co**
- 6 Address: **8824 Fallbrook, Houston, Texas, 77064, USA**

7 This supplementary certificate extends EC – Type Examination Certificate No. Baseefa03ATEX0556 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.

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

Baseefa Customer Reference No. **0708**

Project File No. **09/0498**

This certificate is granted subject to the general terms and conditions of Baseefa. It does not necessarily indicate that the equipment may be used in particular industries or circumstances.

Baseefa

Rockhead Business Park, Staden Lane,
Buxton, Derbyshire SK17 9RZ
Telephone +44 (0) 1298 766600 Fax +44 (0) 1298 766601
e-mail info@baseefa.com web site www.baseefa.com
Baseefa is a trading name of Baseefa Ltd
Registered in England No. 4305578. Registered address as above.

R S SINCLAIR
DIRECTOR
On behalf of
Baseefa



13

Schedule

14

Certificate Number Baseefa03ATEX0556/1

15 Description of the variation to the Equipment or Protective System

Variation 2.1

To permit minor drawing changes that do not affect the original assessment.

16 Report Number

None.

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
5500-AGENCY	1 of 1	A	06-01-09	Assembly Vibration Meter
5500-XXX-AGENCY	1 of 1	A	06-01-09	Sub-Ass'y, Vibration Meter, Common Parts
8225-AGENCY	1 of 1	A	06-01-09	Assembly, Case, Vibration Meter
8225-AGENCY	1 of 1	A	06-01-09	Ass'y, Case 5500 Vibration Meter
8405	1 of 1	B	11-19-92	5500, Vibration Meter Serial No. Label
8212	1 to 2	D	8-29-03	Label, 5500 Vibration Meter
8148-AGENCY	1 to 3	A	06-01-09	Housing for 5500 Vibration Meter
9207-XXX-AGENCY	1 of 1	A	06-01-09	Masking Information, Case, Vibration Meter
8081-AGENCY	1 of 1	A	06-01-09	Schematic, Analog Board 5500
8083-AGENCY	1 of 1	A	06-01-09	Assembly, Analog Board, 5500
8083-001-AGENCY	1 of 1	A	06-01-09	Ass'y, Analog Board (2.0 IPS Peak or RMS)
8083-002-AGENCY	1 of 1	A	06-01-09	Ass'y Analog Board (50mm/s Peak or RMS)
8083-XXX-AGENCY	1 to 3	A	06-01-09	Sub-Ass'y Analog Board
8159-AGENCY	1 of 1	A	06-01-09	Schematic, 5500 Display Board
8161-AGENCY	1 of 1	A	06-01-09	Assembly, Display Board, 5500
8161-XXX-AGENCY	1 of 1	A	06-01-09	Sub Ass'y, Display Board Common Parts
8312-XXX-AGENCY	1 of 1	A	06-01-09	Sub Ass'y, Accelerometer
8312-001-AGENCY	1 of 1	A	06-01-09	Ass'y, Accelerometer (3 KHz)
8313	1 to 3	B	05-01-02	Accelerometer Board PCB Artwork
8314-001-AGENCY	1 of 1	A	06-01-09	Ass'y, Lid, Accelerometer

Drawings with the suffix "-AGENCY" replace drawings of the same drawing number without the suffix.



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 Certificate Number: **Baseefa03ATEX0556**

4 Equipment or Protective System: **Vibration Meter Type 5500**

5 Manufacturer: **Metrix Instrument Company**

6 Address: **1711 Townhurst Drive, Houston, Texas 77043, 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. **03(C)0270**

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

EN 50014:1997 + Amendments 1 & 2 EN 50020:2002 EN 50284:1999

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 1G EEx ia IIC T3 (-10°C ≤ Ta ≤ +60°C)

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

Baseefa (2001) Ltd. Customer Reference No. **0708**

Project File No. **03/0270**

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.

METRIX DOC No: 1161047
REV: A



13

Schedule

14

Certificate Number Baseefa03ATEX0556

15 Description of Equipment or Protective System

The Vibration Meter, Type 5500 is a portable instrument designed to process and display the vibration measured by an integral Piezo-electric crystal.

The meter is available in four models:

- Type 5500-001: 2.0 inches/sec, peak
- Type 5500-002: 2.0 inches/sec rms
- Type 5500-003: 50.0 mm/sec, peak
- Type 5500-004: 50.0 mm/sec rms

The vibration meter comprises electronic circuits on two printed circuit boards, a liquid crystal display, a piezo-electric crystal and a 9V non-rechargeable battery mounted in a two part ABS plastic enclosure.

The battery is housed in the enclosure with the electronic circuits. The enclosure is secured with tamperproof (socket head) bolts.

16 Report Number

03(C)0270

17 Special Conditions for Safe Use

None

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
5500	1 of 1	K	09-24-03	Assembly Vibration Meter
5500-XXX	1 of 1	K	08-02-02	Sub-Ass'y, Vibration Meter (Parts List)
8225	1 of 1	D	09-06-00	Assembly, Case, Vibration Meter
8225	1 of 1	C	09-06-00	Ass'y, Case 5500 Vibration Meter (Parts List)
8405	1 of 1	*	12-08-92	5500, Vibration Meter Serial No. Label
8212	1 of 2	C	8-29-03	Label, 5500 Vibration Meter (Certification)
8148	1 to 3	E	8-29-03	Housing for 5500 Vibration Meter
9207-XXX	1 of 1	A	08-02-02	Masking Information, Case, Vibration Meter
8232	1 of 1	C	08-17-01	Schematic Board Interface
8081	1 of 1	F	09-30-99	Schematic, Analog Board 5500
8082	1 to 8	F	05-22-03	Analog Board PCB Artwork
8083	1 of 1	G	09-30-99	Assembly, Analog Board, 5500



Number	Sheet	Issue	Date	Description
8083-001	1 of 1	C	08-27-98	Ass'y, Analog Board (2.0 IPS Peak or RMS) (50mm/s Peak or RMS) (Parts List)
8083-002	1 of 1	B	07-29-93	Ass'y Analog Board (50mm/s Peak or RMS) (Parts List)
8083-XXX	1 to 3	K	05-30-00	Sub-Ass'y Analog Board (Parts List)
8159	1 of 1	B	08-17-01	Schematic, 5500 Display Board
8161	1 of 1	E	08-17-01	Assembly, Display Board, 5500
8161-XXX	1 of 1	E	08-17-01	Sub Ass'y, Display Board (Parts List)
8327	1 of 1	A	03-26-93	Intrinsically Safe Accelerometer Schematic
8312-XXX	1 of 1	*	05-01-92	Sub Ass'y, Accelerometer (Parts List)
8312-001	1 of 1	*	05-01-92	Ass'y, Accelerometer (3 KHz) (Parts List)
8313	1 to 3	A	03-09-93	Accelerometer Board PCB Artwork
8314-XXX	1 of 1	*	05-01-92	Assy, Lid, Intrinsically Safe Accelerometer
8314-001	1 of 1	*	05-01-92	Ass'y, Lid, Accelerometer (Parts List)