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: **Baseefa05ATEX0195X – Issue 5**

4 Equipment or Protective System: **Model TXA Non-Contact Position Transmitter and Model TXR Non-Contact Vibration Transmitter and Model TXR5521 Non-Contact RPM Transmitter**

5 Manufacturer: **Metrix Instrument Company**

6 Address: **8824 Fallbrook, Houston, Texas 77064, 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, 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's. **13(C)0134**

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

EN 60079-0: 2012: 2012 EN 60079-11: 2012

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 :

⟨Ex⟩ II 1G Ex ia IIC T4 Ga ($-40°C \leq T_a \leq +85°C$)

Baseefa Customer Reference No. **0708** Project File No. **13/0134**

This document is issued by the Company subject to its General Conditions for Certification Services accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx and the Supplementary Terms and Conditions accessible at http://www.baseefa.com/terms-and-conditions.asp. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained herein reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. It does not necessarily indicate that the equipment may be used in particular industries or circumstances. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, schedule included, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Baseefa Limited
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
Registered in England No. 4305578.
Registered address: Rossmore Business Park, Ellesmere Port, Cheshire, CH65 3EN

R S SINCLAIR
GENERAL MANAGER
On behalf of SGS Baseefa Limited

METRIX DOC NO: 1171433
REV: B

13 **Schedule**

14 **Certificate Number Baseefa05ATEX0195X – Issue 5**

15 Description of Equipment or Protective System

The Model TXA Non-Contact Position Transmitter is designed to provide a 4-20mA loop output signal proportional to the distance between a target and the tip of a certified proximity probe which is transmitted to the non-hazardous area.

The Model TXR Non-Contact Vibration Transmitter is designed to provide a 4-20mA loop output signal proportional to the radial vibration of a shaft or other machine part in relation to the location of the tip of a certified proximity probe.

The Model TXR5521 Non-Contact RPM Transmitter is designed to provide a 4-20mA loop output signal proportional to a shaft RPM being monitored by a connected certified eddy current probe.

The electronics are contained on three printed circuit boards (PCBs) housed in a plastic enclosure.

Power and signal connections are made at the terminals marked "POWER", at one end of the apparatus, and the remote proximity probe is connected to the RF connector marked "PROBE" at the other end of the apparatus. An additional BNC connector marked "DYNAMIC OUTPUT" also exists on the face of the apparatus but this is not to be used in the hazardous area.

Additional connectors, not accessible to the customer are located behind the bottom cover. These are for the calibration of the transmitter and are not to be used in the hazardous area.

Terminals marked "POWER"

U_i = 28V
I_i = 93mA
P_i = 0.66W
C_i = 18nF
L_i = 0

External Probe Connector, J1 marked "PROBE"

U_o = 5.36V
I_o = 3.64mA
P_o = 20mW
C_i = 24nF
L_i = 220µH
C_o = 32µF
L_o = 500mH
L_o/R_o > 1000µH/Ω

16 Report Number

13(C)0134

17 Specific Conditions of Use

1. The Apparatus is not capable of withstanding the 500V insulation test required by Clause 6.3.13 of EN 60079-11: 2012. This must be taken into account when installing the apparatus.
2. The apparatus must be installed such that the input terminals are protected to at least the requirements of IP20.
3. The Din-rail mounting clip may present a potential electrostatic charging hazard and so must be earthed when installed.

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

New drawings submitted for this issue of certificate.

Number	Sheet	Issue	Date	Description
9619-AGENCY	1 to 2	E	05-18-06	Schematic, Power Supply BD.
9620	1 to 9	G	05-18-06	Drill Dwg, Power Supply BD.
9621-AGENCY	1 of 1	E	05-18-06	Assy, Power Supply BD.
9621-AGENCY	1 to 3	E	05-18-06	Assy, Power Supply Board (Parts List)
9623	1 to 9	H	12-13-05	Drill Dwg, Interconnect BD.
9624-AGENCY	1 of 1	C	12-13-05	Assy, Interconnect BD.
9624-AGENCY	1 of 1	C	05-18-06	Interconnect Board (Parts List)
9640-AGENCY	1 to 2	F	05-18-06	Schematic, Analog/Digital BD.
9641	1 to 9	F	05-18-06	Drilling Detail, Analog/Digital BD.
9642-AGENCY	1 of 1	E	05-18-06	Assembly, Analog/Digital BD.
9642-AGENCY	1 to 2	G	05-18-06	Analog/Digital Board (Parts List)
9648-AGENCY	1 of 1	D	05-18-06	TXA/TXR/TXR5521 General Arrangement Drawing
9649	1 of 1	D	05-18-06	Specifications, Model TXA, Non-contact Vibration Transmitter
9650	1 of 1	D	05-18-06	Specifications, Model TXR, Non-contact Vibration Transmitter
1003205	1 of 1	D	07-14-05	Specifications, Model TXR 5521, Non-contact RPM Transmitter

The above drawings are common to Baseefa06ATEX0113X.

Current drawings also associated with this certificate.

Number	Sheet	Issue	Date	Description
9622-AGENCY	1 of 1	C	12-13-05	Schematic Interconnect BD.

20 Certificate History

Certificate No.	Date	Comments
Baseefa05ATEX0195X	19 April 2006	The release of the prime certificate. The associated test and assessment is documented in Test Report No. 05(C)0284-1.
Baseefa05ATEX0195X/1	4 October 2006	To permit minor electrical changes which increased Li of the external probe connector to 220µH, documented in Test Report 06(C)0741.
Baseefa05ATEX0195X/2	23 April 2009	To permit minor changes to drawings not affecting the original assessment
Baseefa05ATEX0195X Issue 3	25 June 2010	To permit changes to the General Arrangement Drawing to clarify the encapsulation details. This issue of the certificate also incorporates previously issued primary & supplementary certificates into one certificate and confirms the current design meets the requirements of EN 60079-0: 2006 & EN 60079-11: 2007.
Baseefa05ATEX0195X Issue 4	7 October 2011	To permit the use of an alternative Interconnect Board design.

Certificate No.	Date	Comments
Baseefa05ATEX0195X Issue 5	19 July 2013	To permit the introduction of the model TXR5521 Non-Contact RPM Transmitter and removal of references to the 7402 extension cable. This issue of the certificate also confirms the current design meets the requirements of EN 60079-0: 2012 & EN 60079-11: 2012, with the introduction of the third condition of use listed in section 17 of this certificate. The associated test and assessment is documented in Test Report No. 13(C)0134.
For drawings applicable to each issue, see original of that issue.		

The following pages are the prior revisions of this certificate.

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:	**Baseefa05ATEX0195X – Issue 4**
4	Equipment or Protective System:	**Model TXA Non-Contact Position Transmitter and Model TXR Non-Contact Vibration Transmitter**
5	Manufacturer:	**Metrix Instrument Company**
6	Address:	**8824 Fallbrook, Houston, Texas 77064, 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, 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's. **See Certificate History**

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

EN60079-0:2006 EN60079-11:2007

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 :

Ⓔx II 1G Ex ia IIC T4 ($-40°C \leq T_a \leq +85°C$)

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

Baseefa Customer Reference No. **0708**

Project File No. **11/0351**

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.

R S SINCLAIR
DIRECTOR
On behalf of
Baseefa

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.

13 **Schedule**

14 **Certificate Number Baseefa05ATEX0195X – Issue 4**

15 Description of Equipment or Protective System

The Model TXA Non-Contact Position Transmitter is designed to provide a 4-20mA loop output signal proportional to the distance between a target and the tip of a certified proximity probe which is transmitted to the non-hazardous area.

The Model TXR Non-Contact Vibration Transmitter is designed to provide a 4-20mA loop output signal proportional to the radial vibration of a shaft or other machine part in relation to the location of the tip of a certified proximity probe.

The electronics are contained on three printed circuit boards (PCBs) housed in a plastic enclosure.

Power and signal connections are made at the terminals marked "POWER", at one end of the apparatus, and the remote proximity probe is connected to the RF connector marked "PROBE" at the other end of the apparatus. An additional BNC connector marked "DYNAMIC OUTPUT" also exists on the face of the apparatus but this is not to be used in the hazardous area.

Additional connectors, not accessible to the customer are located behind the bottom cover. These are for the calibration of the transmitter and are not to be used in the hazardous area.

Terminals marked "POWER"

U_i = 28V
I_i = 93mA
P_i = 0.66W
C_i = 18nF
L_i = 0

External Probe Connector, J1 marked "PROBE"

U_o = 5.36V
I_o = 3.64mA
P_o = 20mW
C_i = 24nF
L_i = 220µH
C_o = 32µF
L_o = 500mH
L_o/R_o > 1000µH/Ω

16 Report Number

See Certificate History

METRIX DOC NO: 1171433
REV: A

17 Special Conditions for Safe Use

1. The Apparatus is not capable of withstanding the 500V insulation test required by Clause 6.4.12 of EN 50020: 2006. This must be taken into account when installing the apparatus.

2. The apparatus must be installed such that the input terminals are protected to at least the requirements of IP20.

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

New drawings submitted for this issue of certificate.

Number	Sheet	Issue	Date	Description
9623	2 – 9 of 9	F	09-16-11	TXR-TXA Interconnect Board

This drawing is also associated with Baseefa06ATEX0113X/3.

Current drawings also associated with this certificate.

Number	Sheet	Issue	Date	Description
9619-AGENCY	1 to 2	D	05-18-06	Schematic Power Supply Bd
9620	1 to 9	F	05-18-06	Drill Dwg Power Supply Bd (PCB Artwork)
9621-AGENCY	1 to 3	D	05-18-06	Assy, Power Supply Board (Parts List)
9621-AGENCY	1 of 1	D	05-18-06	Assy, Power Supply Bd (Drawing)
9622-AGENCY	1 of 1	C	12-13-05	Schematic Interconnect Bd
9623	1 to 9	E	12-13-05	Drill Dwg Interconnect Bd (PCB Artwork)
9624-AGENCY	1 of 1	B	05-18-06	Assy, Interconnect Board (Parts List)
9624-AGENCY	1 of 1	B	12-13-05	Assy, Interconnect Bd (Drawing)
9640-AGENCY	1 to 2	E	05-18-06	Schematic Analog/Digital Bd
9641	1 to 9	E	05-18-06	Drill Dwg Analog/Digital Bd (PCB Artwork)
9642-AGENCY	1 to 2	F	05-18-06	Assy, Analog/Digital Board (Parts List)
9642-AGENCY	1 of 1	D	05-18-06	Assy, Analog/Digital Bd (Drawing)
9649	1 of 1	C	05/18/06	Specifications, Model TXA Non-Contact Position Transmitter
9650	1 of 1	C	05/18/06	Specifications, Model TXR Non-Contact Vibration Transmitter

These drawings are also associated with Baseefa06ATEX0113X.

20 Certificate History

Certificate No.	Date	Comments
Baseefa05ATEX0195X	19 April 2006	The release of the prime certificate. The associated test and assessment is documented in Test Report No. 05(C)0284-1.
Baseefa05ATEX0195X/1	4 October 2006	To permit minor electrical changes which increased Li of the external probe connector to 220μH, documented in Test Report 06(C)0741.
Baseefa05ATEX0195X/2	23 April 2009	To permit minor changes to drawings not affecting the original assessment

METRIX DOC NO: 1171433
REV: A

Certificate No.	Date	Comments
Baseefa05ATEX0195X Issue 3	25 June 2010	To permit changes to the General Arrangement Drawing to clarify the encapsulation details. This issue of the certificate also incorporates previously issued primary & supplementary certificates into one certificate and confirms the current design meets the requirements of EN 60079-0: 2006 & EN 60079-11: 2007.
Baseefa05ATEX0195X Issue 4	7 October 2011	To permit the use of an alternative Interconnect Board design.
For drawings applicable to each issue, see original of that issue.		

METRIX DOC NO: 1171433
REV: A

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:	**Baseefa05ATEX0195X – Issue 3**
4	Equipment or Protective System:	**Model TXA Non-Contact Position Transmitter and Model TXR Non-Contact Vibration Transmitter**
5	Manufacturer:	**Metrix Instrument Company**
6	Address:	**8824 Fallbrook, Houston, Texas 77064, 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, 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's. **See Certificate History**

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

EN60079-0:2006 EN60079-11:2007

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 :

Ⓔx II 1G Ex ia IIC T4 ($-40°C \leq T_a \leq +85°C$)

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

Baseefa Customer Reference No. **0708**

Project File No. **09/1005**

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.

R S SINCLAIR
DIRECTOR
On behalf of
Baseefa

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.

METRIX DOC NO: 1171433
REV: A

13 **Schedule**

14 **Certificate Number Baseefa05ATEX0195X – Issue 3**

15 Description of Equipment or Protective System

The Model TXA Non-Contact Position Transmitter is designed to provide a 4-20mA loop output signal proportional to the distance between a target and the tip of a certified proximity probe which is transmitted to the non-hazardous area.

The Model TXR Non-Contact Vibration Transmitter is designed to provide a 4-20mA loop output signal proportional to the radial vibration of a shaft or other machine part in relation to the location of the tip of a certified proximity probe.

The electronics are contained on three printed circuit boards (PCBs) housed in a plastic enclosure.

Power and signal connections are made at the terminals marked "POWER", at one end of the apparatus, and the remote proximity probe is connected to the RF connector marked "PROBE" at the other end of the apparatus. An additional BNC connector marked "DYNAMIC OUTPUT" also exists on the face of the apparatus but this is not to be used in the hazardous area.

Additional connectors, not accessible to the customer are located behind the bottom cover. These are for the calibration of the transmitter and are not to be used in the hazardous area.

Terminals marked "POWER"

U_i = 28V
I_i = 93mA
P_i = 0.66W
C_i = 18nF
L_i = 0

External Probe Connector, J1 marked "PROBE"

U_o = 5.36V
I_o = 3.64mA
P_o = 20mW
C_i = 24nF
L_i = 220µH
C_o = 32µF
L_o = 500mH
L_o/R_o > 1000µH/Ω

16 Report Number

See Certificate History

17 Special Conditions for Safe Use

1. The Apparatus is not capable of withstanding the 500V insulation test required by Clause 6.4.12 of EN 50020: 2006. This must be taken into account when installing the apparatus.

2. The apparatus must be installed such that the input terminals are protected to at least the requirements of IP20.

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

New drawings submitted for this issue of certificate.

Number	Sheet	Issue	Date	Description
9648-AGENCY	1 of 1	C	5/18/06	General Arrangement Drawing

This drawing is also associated with Baseefa06ATEX0113X.

Current drawings also associated with this certificate.

Number	Sheet	Issue	Date	Description
9619-AGENCY	1 to 2	D	05-18-06	Schematic Power Supply Bd
9620	1 to 9	F	05-18-06	Drill Dwg Power Supply Bd (PCB Artwork)
9621-AGENCY	1 to 3	D	05-18-06	Assy, Power Supply Board (Parts List)
9621-AGENCY	1 of 1	D	05-18-06	Assy, Power Supply Bd (Drawing)
9622-AGENCY	1 of 1	C	12-13-05	Schematic Interconnect Bd
9623	1 to 9	E	12-13-05	Drill Dwg Interconnect Bd (PCB Artwork)
9624-AGENCY	1 of 1	B	05-18-06	Assy, Interconnect Board (Parts List)
9624-AGENCY	1 of 1	B	12-13-05	Assy, Interconnect Bd (Drawing)
9640-AGENCY	1 to 2	E	05-18-06	Schematic Analog/Digital Bd
9641	1 to 9	E	05-18-06	Drill Dwg Analog/Digital Bd (PCB Artwork)
9642-AGENCY	1 to 2	F	05-18-06	Assy, Analog/Digital Board (Parts List)
9642-AGENCY	1 of 1	D	05-18-06	Assy, Analog/Digital Bd (Drawing)
9649	1 of 1	C	05/18/06	Specifications, Model TXA Non-Contact Position Transmitter
9650	1 of 1	C	05/18/06	Specifications, Model TXR Non-Contact Vibration Transmitter

These drawings are also associated with Baseefa06ATEX0113X.

20 Certificate History

Certificate No.	Date	Comments
Baseefa05ATEX0195X	19 April 2006	The release of the prime certificate. The associated test and assessment is documented in Test Report No. 05(C)0284-1.
Baseefa05ATEX0195X/1	4 October 2006	To permit minor electrical changes which increased Li of the external probe connector to 220μH, documented in Test Report 06(C)0741.
Baseefa05ATEX0195X/2	23 April 2009	To permit minor changes to drawings not affecting the original assessment

Certificate No.	Date	Comments
Baseefa05ATEX0195X Issue 3	25 June 2010	To permit changes to the General Arrangement Drawing to clarify the encapsulation details. This issue of the certificate also incorporates previously issued primary & supplementary certificates into one certificate and confirms the current design meets the requirements of EN 60079-0: 2006 & EN 60079-11: 2007.
For drawings applicable to each issue, see original of that issue.		

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:	**Baseefa05ATEX0195X/2**
4	Equipment or Protective System:	**Model TXA Non-Contact Position Transmitter and Model TXR Non-Contact Vibration Transmitter**
5	Manufacturer:	**Metrix Instrument Company**
6	Address:	**8824 Fallbrook, Houston, Texas 77064, USA**

7 This supplementary certificate extends EC – Type Examination Certificate No. Baseefa05ATEX0195X 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. **09/0336**

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.

R S SINCLAIR
DIRECTOR
On behalf of
Baseefa

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.

METRIX DOC NO: 1171433
REV: A

13 **Schedule**

14 **Certificate Number Baseefa05ATEX0195X/2**

15 Description of the variation to the Equipment or Protective System

Variation 2.1

To permit minor changes to the scheduled drawings that do not affect the original assessment.

16 Report Number

None.

17 Special Conditions for Safe Use

None additional to those listed previously

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
9619-AGENCY	1 to 2	D	05-18-06	Schematic Power Supply Bd
9620	1 to 9	F	05-18-06	Drill Dwg Power Supply Bd (PCB Artwork)
9621-AGENCY	1 to 3	D	05-18-06	Assy, Power Supply Board (Parts List)
9621-AGENCY	1 of 1	D	05-18-06	Assy, Power Supply Bd (Drawing)
9622-AGENCY	1 of 1	C	12-13-05	Schematic Interconnect Bd
9623	1 to 9	E	12-13-05	Drill Dwg Interconnect Bd (PCB Artwork)
9624-AGENCY	1 of 1	B	05-18-06	Assy, Interconnect Board (Parts List)
9624-AGENCY	1 of 1	B	12-13-05	Assy, Interconnect Bd (Drawing)
9640-AGENCY	1 to 2	E	05-18-06	Schematic Analog/Digital Bd
9641	1 to 9	E	05-18-06	Drill Dwg Analog/Digital Bd (PCB Artwork)
9642-AGENCY	1 to 2	F	05-18-06	Assy, Analog/Digital Board (Parts List)
9642-AGENCY	1 of 1	D	05-18-06	Assy, Analog/Digital Bd (Drawing)
9648-AGENCY	1 of 1	B	05/18/06	General Arrangement Drawing
9649	1 of 1	C	05/18/06	Specifications, Model TXA Non-Contact Position Transmitter
9650	1 of 1	C	05/18/06	Specifications, Model TXR Non-Contact Vibration Transmitter

These drawings are also associated with Baseefa06ATEX0113X.

METRIX DOC NO: 1171433
REV: A

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:	**Baseefa05ATEX0195X/1**
4	Equipment or Protective System:	**Model TXA Non-Contact Position Transmitter and Model TXR Non-Contact Vibration Transmitter**
5	Manufacturer:	**Metrix Instrument Company**
6	Address:	**8824 Fallbrook, Houston, Texas 77064, USA**

7 This supplementary certificate extends EC – Type Examination Certificate No. **Baseefa05ATEX0195X** 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. **06/0741**

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
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 (2001) Ltd
Registered in England No. 4305578 at the above address

13 **Schedule**

14 **Certificate Number Baseefa05ATEX0195X/1**

15 Description of the variation to the Equipment or Protective System

Variation 1.1

To permit minor electrical changes that increase the L_i of the External Probe Connector from 110µH to 220µH. The complete set of terminal parameters for the External Probe Connector are detailed below for completeness:

U_o = 5.36V
I_o = 3.64mA
P_o = 20mW
C_i = 24nF
L_i = 220µH
C_o = 32µF
L_o = 500mH
L_o/R_o > 1000µH/Ω

16 Report Number

06(C)0741

17 Special Conditions for Safe Use

None additional to those listed previously

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
9640-AGENCY	1 to 2	D	10-1-06	Schematic Analog/Digital Bd
9642-AGENCY	1 to 2	E	10-1-06	Assy, Analog/Digital Board (Parts List)

These drawings are also associated with Baseefa06ATEX0113X/1.

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REV: A