

UK Type Examination Certificate CML 25UKEX2470X Issue 0**United Kingdom Conformity Assessment**

- 1 Product or Protective System Intended for use in Potentially Explosive Atmospheres UKSI 2016:1107 (as amended) – Schedule 3A, Part 1
- 2 Equipment **Probe 10,000 Series**
- 3 Manufacturer **Metrix Instrument Co.**
- 4 Address **8824 Fallbrook,
Houston,
Texas 77064
United States of America**

- 5 The equipment is specified in the description of this certificate and the documents to which it refers.
- 6 Eurofins E&E CML Limited, Newport Business Park, New Port Road, Ellesmere Port, CH65 4LZ, United Kingdom, Approved Body Number 2503, in accordance with Regulation 42 of the Equipment and Protective Systems Intended for Use in Potentially Explosive Atmospheres Regulations 2016, UKSI 2016:1107 (as amended), certifies that this equipment has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment intended for use in potentially explosive atmospheres given in Schedule 1 of the Regulations.

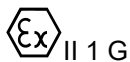
The examination and test results are recorded in the confidential reports listed in Section 12.

- 7 If an 'X' suffix appears after the certificate number, it indicates that the equipment is subject to specific conditions of use (affecting correct installation or safe use). These are specified in Section 14.
- 8 This UK Type Examination certificate relates only to the design and construction of the specified equipment. Further requirements of the Regulations apply to the manufacturing process and supply of the product. These are not covered by this certificate.
- 9 Compliance with the Essential Health and Safety Requirements, with the exception of those listed in the confidential report, has been demonstrated through compliance with the following documents:

EN IEC 60079-0:2018

EN 60079-11:2012

- 10 The equipment shall be marked with the following:



Ex ia IIC T3/T4 Ga

T3: -40 °C ≤ Ta ≤ +177 °C

T4: -40 °C ≤ Ta ≤ +110 °C

T4: -40 °C ≤ Ta ≤ +105 °C (PVC Probe Jacket Option)



This certificate shall only be copied
in its entirety and without change

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S. Roumbedakis
Certification Manager

METRIX DOC NO: 1949496
REV: B



**CML 25UKEX2470X
Issue 0**

11 Description

The Probe 10,000 Series consists of a coil wound on to a plastic or ceramic mandrill and inserted into one end of an externally threaded, stainless steel cylindrical body. The coil varies in diameter from 5mm to 10mm depending on the version.

An integral coaxial or triaxial cable is connected to the coil, through the opposite end of the cylindrical body, and is terminated with a connector for mating with the Probe Driver.

An extension cable may be fitted between the Probe and a separately certified Probe Driver that is not part of this certification. The maximum length of the integral cable and extension cable is 24m and the cables may be provided with armoured protection.

Additionally, the Series 10,000 Probe may be combined with the following accessories:

- 5494LP Low Pressure Feed Through
- 5495-XXX Forward mount Probe Holder
- 5497DTPH Dual Thrust Probe Holder (2x Series 10,000 Probes)
- 5497PM Probe Mounting System (1x Series 10,000 Probe)
- 5498JB [Conduit Body] Junction Box

Ratings:

'ia' version

$U_i = 28V$

$I_i = 138mA$

$L_i = 200\mu H (*)$

$C_i = 2nF (*)$

(*) Maximum for 24 m probe or probe and extension cable.

Notes:

- UKEX Certificate Number BAS 22UKEX0093X is superseded by CML 25UKEX2470X Issue 0.
- The products covered by CML 25UKEX2470X Issue 0 remain identical to those previously covered by BAS 22UKEX0093X except for the differences assessed and listed in the associated ExTR (GB/CML/ExTR25.0073/00).
- Where UKEX Certificate Number BAS 22UKEX0093X is specified in other product certification, or other technical specifications, CML 25UKEX2470X Issue 0 shall be used in its place.

12 Certificate history and evaluation reports

Issue	Date	Associated report	Notes
0	15 Sep 2026	R18661A/00 (MT135607)	Issue of Prime Certification

Note: Drawings that describe the equipment or component are listed in the Annex.



CML 25UKEX2470X
Issue 0

13 Conditions of Manufacture

The following conditions are required of the manufacturing process for compliance with the certification.

- i. Where the product incorporates certified parts or safety critical components, the manufacturer of the product defined on this certificate shall continually monitor these parts/components for any modifications introduced by the manufacturer(s) of these constituent parts. If the manufacturer of any constituent part introduces any changes which affect the compliance of the certified product that is the subject of this certificate, the manufacturer is required to have this certificate updated.

14 Specific Conditions of Use (Special Conditions)

The following conditions relate to safe installation and/or use of the equipment.

- i. When the equipment incorporates a Teflon coating for the 5497PM Probe Mounting System it is considered to be potential electrostatic charging hazard. As such, the user shall minimize the risk of electrostatic discharge using methods listed in the manufacturer's instructions as per EN IEC 60079-0:2018, clause 7.4.2. Additionally, the surface shall only be cleaned with a damp cloth.
- ii. The optional 5497DTPH, 5497PM (E=1 Connection Head) or 5498JB accessory enclosures may be manufactured from aluminium. They must be protected from the risk of impact and/or friction when installed in a Zone 0 environment.

Certificate Annex

Certificate Number CML 25UKEX2470X
Equipment Probe 10,000 Series
Manufacturer Metrix Instrument Co.



The following documents describe the equipment or component defined in this certificate:

Issue 0

Drawing No	Sheets	Rev	Approved date	Title
10000-Agency	1 to 2	J	15 Sep 2026	Assy, Proximity Probes
99541-101	1 of 1	A	15 Sep 2026	Adapter, Feedthru, Hermetic, 10-Pin
99541-100	1 of 1	A	15 Sep 2026	Adapter, Feedthru, Hermetic, 6-Pin
1847869	1 of 1	D	15 Sep 2026	Outline & Dimension, 5497DTPH, Dual Thrust Probe Holder
100971-AGENCY	1 to 3	A	15 Sep 2026	Nameplate, 5497PM, 5497DTPH, 5498JB, 5494LP
1848854	1 of 1	B	15 Sep 2026	Outline and Dimensions, 5494LP, Low Pressure Feed Through
1894169	1 of 1	A	15 Sep 2026	Outline and Dimensions, 5495-XXX, Forward Mount, Probe Holder
1847913	1 to 4	C	15 Sep 2026	Outline and Dimensions, 5497PM-X-X-XXX-X-1
1849828	1 of 1	B	15 Sep 2026	Outline and Dimensions, 5498JB-001, Junction Box with 5494 Low Pressure Feed Through/5495 FWD MT Probe Holder
8141-XXX-Agency	1 to 2	A	15 Sep 2026	Labels for Probe Cable, RoHS

The following pages are the prior revisions of this certificate.

UK-TYPE EXAMINATION CERTIFICATE

Equipment or Protective System Intended for use in Potentially Explosive Atmospheres UKSI 2016:1107 (as amended) – Schedule 3A, Part 1

- UK-Type Examination Certificate Number: **BAS22UKEX0093X**
- Product: **Series 10,000 Probe**
- Manufacturer: **Metrix Instrument Co.**
- Address: **8824 Fallbrook, Houston, Texas 77064, USA**
- This product and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.
- SGS Baseefa, Approved Body number 1180, in accordance with Regulation 43 of the Equipment and Protective Systems Intended for Use in Potentially Explosive Atmospheres Regulations 2016, UKSI 2016:1107 (as amended), certifies that this product has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of products intended for use in potentially explosive atmospheres given in Schedule 1 of the Regulations.
- The examination and test results are recorded in confidential Report No. **GB/BAS/ExTR21.0121/00**
- Compliance with the Essential Health and Safety Requirements has been assured by compliance with:
EN IEC 60079-0:2018 EN 60079-11:2012
- 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 product is subject to the Specific Conditions of Use specified in the schedule to this certificate.
- This UK-TYPE EXAMINATION CERTIFICATE relates only to the design and construction of the specified product. Further requirements of the Regulations apply to the manufacturing process and supply of this product. These are not covered by this certificate.
- The marking of the product shall include the following:
- ⊗ II 1 G Ex ia IIC T3 Ga $(-40^{\circ}\text{C} \leq T_a \leq +177^{\circ}\text{C})$
- ⊗ II 1 G Ex ia IIC T4 Ga $(-40^{\circ}\text{C} \leq T_a \leq +110^{\circ}\text{C})$

SGS Baseefa Customer Reference No. **0708**

Project File No. **19/0328**

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R S Sinclair

R S SINCLAIR
TECHNICAL MANAGER
On behalf of SGS Baseefa Limited

METRIX DOC NO: 1949496
REV: A

Schedule

13

14

Certificate Number BAS22UKEX0093X

15 Description of Product

The Series 10,000 Probe consists of a coil wound on to a plastic or ceramic mandrill and inserted into one end of an externally threaded, stainless steel cylindrical body. The coil varies in diameter from 5mm to 10mm depending on the version.

An integral coaxial or triaxial cable is connected to the coil, through the opposite end of the cylindrical body, and is terminated with a connector for mating with the Probe Driver.

An extension cable Type 7402 may be fitted between the Probe and the Probe Driver (Baseefa03ATEX0205X). The maximum length of the integral cable and extension cable is 10m and the cables may be provided with armoured protection. The maximum capacitance and inductance of the probe and extension cable is 2000pF and 200μH.

Additionally, the Series 10,000 Probe may be combined with the following accessories:

5494LP Low Pressure Feed Through
5495-XXX Forward mount Probe Holder
5497DTPH Dual Thrust Probe Holder (2x Series 10,000 Probes)
5497PM Probe Mounting System (1x Series 10,000 Probe)
5498JB [Conduit Body] Junction Box

Input parameters

U_i = 28V
 I_i = 138mA
 L_i = 200μH
 C_i = 2nF

16 Report Number

GB/BAS/ExTR21.0121/00

17 Specific Conditions of Use

1. The optional 5497DTPH, 5497PM (E=1 Connection Head) or 5498JB accessory enclosures may be manufactured from aluminium. They must be protected from the risk of impact and/or friction when installed in a Zone 0 environment.

18 Essential Health and Safety Requirements

In addition to the Essential Health and Safety Requirements (EHSRs) covered by the standards listed at item 9, the following are considered relevant to this product, and conformity is demonstrated in the report:

Clause	Subject
13	LVD type requirements
14	Overloading of equipment (protection relays, etc.)
21 (1)	External effects
21 (2)	Aggressive substances, etc.

19 Drawings and Documents

Number	Sheet	Issue	Date	Description
10000-AGENCY	1 & 2	H	05/22/03	Assy, Proximity Probes
100971-IECEX	1 & 2	A	12/19/19	Nameplate, 5497PM, 5497DTPH, 5498JB, 5494LP

For all drawings, see Baseefa03ATEX0204X.

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REV: A