

1 **TYPE EXAMINATION CERTIFICATE**

2 **Equipment or Protective System Intended for use in Potentially Explosive Atmospheres
UKSI 2016:1107 (as amended)**

3 Type Examination Certificate Number: **BAS22UKEX0094X**

4 Product: **Series 10,000 Probe**

5 Manufacturer: **Metrix Instrument Co.**

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

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

8 SGS Baseefa 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 Equipment and Protective Systems Intended for Use in Potentially Explosive Atmospheres Regulations 2016, UKSI 2016:1107 (as amended).

The examination and test results are recorded in confidential Report No. **GB/BAS/ExTR21.0121/00**

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

EN IEC 60079-0:2018 EN IEC 60079-7:2018 EN 60079-15:2010

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 product is subject to the Specific Conditions of Use specified in the schedule to this certificate.

11 This TYPE EXAMINATION CERTIFICATE relates only to the design of the specified product and not to specific products subsequently manufactured.

12 The marking of the product shall include the following:

 **II 3 G Ex ec IIC T3 Gc or Ex nA IIC T3 Gc (-40°C ≤ Ta ≤ +177°C)**

 **II 3 G Ex ec IIC T4 Gc or Ex nA IIC T4 Gc (-40°C ≤ Ta ≤ +110°C)**

SGS Baseefa Customer Reference No. **0708**

Project File No. **19/0328**

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0191



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TECHNICAL MANAGER
On behalf of SGS Baseefa
Limited

METRIX DOC NO: 1949497
REV: A

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Schedule

14

Certificate Number BAS22UKEX0094X

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 may be fitted between the Probe and the Probe Driver. The maximum length of the integral cable and extension cable is 10m 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

Supply voltage: 28V

16 Report Number

GB/BAS/ExTR21.0121/00

17 Specific Conditions of Use

1. The Series 10,000 Probe must be located in an area of not more than pollution degree 2, as defined in IEC 60664-1. Additionally, the connector must be afforded a degree of ingress protection of at least IP54 in accordance with IEC 60529 when installed.
2. Provision must be made, external to the Series 10,000 Probe, to ensure that the rated input is not exceeded by more than 40%.

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 other drawings, see Baseefa11ATEX0139X.