

1 **UK-TYPE EXAMINATION CERTIFICATE**

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

3 UK-Type Examination Certificate Number: **BAS22UKEX0093X**
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, 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**

9 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.

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 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.

12 The marking of the product shall include the following:

 **II 1 G Ex ia IIC T3 Ga (-40°C ≤ Ta ≤ +177°C)**

 **II 1 G Ex ia IIC T4 Ga (-40°C ≤ Ta ≤ +110°C)**

SGS Baseefa Customer Reference No. **0708**

Project File No. **19/0328**

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0191



R S SINCLAIR
TECHNICAL MANAGER
On behalf of SGS Baseefa Limited

METRIX DOC NO: 1949496

REV: A

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Schedule

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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

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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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