



UNITED KINGDOM CONFORMITY ASSESSMENT

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 Certificate Number: **CSAE 22UKEX1401X** Issue: **0**
4 Product: **Flexidip Portable Gauging Tape Type D-2401-2****
5 Manufacturer: **MMC International Corporation**
6 Address: **60 Inip Drive
Inwood
Long Island
New York, 11096
USA**

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

8 CSA Group Testing UK Limited, Approved Body number 0518, 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 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 the confidential reports listed in Section 14.2.

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 Section 16 of the schedule to this certificate. The above standards may not appear on the UKAS Scope of Accreditation, but have been added through flexible scope of accreditation, which is available on request.


10 If the sign 'X' is placed after the certificate number, it indicates that the product is subject to Specific Conditions of Use identified 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 this product shall be in accordance with Regulation 41 and include the following:



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Ex ia IIC T4 Ga

Name: M Halliwell 
Title: Director of Operations



**UKUK
CANI**

Certificate No. CSAE 22UKEX1401X
CSA Group Testing UK Ltd., Unit 6 Hawarden Industrial Park, Hawarden, CH5 3US, UK
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SCHEDULE

UK TYPE EXAMINATION CERTIFICATE

**CSAE 22UKEX1401X
Issue 0**

13 DESCRIPTION OF PRODUCT

A Flexidip Portable Gauging Tape Type D-2401-2** is designed to provide ullage, interface and temperature indications for liquids in a tank. Various models provide either all three indications, or combinations of just two out of the three.

It comprises a probe head fitted to the end of a graduated flexible tape wound on drum, so that the probe may be lowered to the required depth in the tank. The tape incorporates two conductors in addition to the graduated tape. Electronic circuits on printed circuit boards are fitted both in the probe and in the centre of the drum, and a liquid crystal display and push buttons are mounted on the drum.

A terminal for connection of an earthed wire is provided on the main unit and the steel tape provides earthed continuity to the probe head.

This certificate covers various model numbers of the form D-2401-2**. The ** signifies combinations of letters which cover the exact combination of temperature, ullage or interface options provided.

Use only battery type:

- Duracell Procell Alkaline-Manganese MN1604 (6LR61)

14 DESCRIPTIVE DOCUMENTS

14.1 Drawings

Refer to Certificate Annexe.

14.2 Associated Reports and Certificate History

Issue	Date	Report number	Comment
0	23 February 2023	R80144701A	The release of the prime certificate.

15 SPECIFIC CONDITIONS OF USE (denoted by X after the certificate number)

15.1 The user’s attention is drawn to the fact that there may be a possible hazard created by electrostatic charges that may be held by the liquid being measured, the user shall therefore operate this instrument in accordance with the necessary precautions.

15.2 The apparatus shall not be subjected to a prolific charge generating mechanism (such as might occur in pneumatic transfer of powders or charge spraying in a powder coating process).

16 ESSENTIAL HEALTH AND SAFETY REQUIREMENTS (REGULATIONS SCHEDULE 1)

In addition to the Essential Health and Safety Requirements covered by the standards listed in Section 9, all other requirements are demonstrated in the relevant reports.

17 PRODUCTION CONTROL

17.1 Holders of this certificate are required to comply with production control requirements defined in Schedule 3A, as applicable, and CSA Group Testing UK Regulations for Certificate Holders



Certificate Annexe

Certificate Number: CSAE 22UKEX1401X
Product: Flexidip Portable Gauging Tape Type D-2401-2**
Manufacturer: MMC International Corporation,

Issue 0

Drawing	Sheets	Rev.	Date (Stamp)	Title
71097/559	1 of 1	5	16 May 22	COMBINATION ULLAGE, INTERFACE AND TEMPERATURE GAUGING TAPE CIRCUIT DIAGRAM
71097/689	1 of 1	D	1 Jul 22	Combined Ullage and Interface Gauging Tape Circuit Diagram
71097/878	1 of 1	4	1 Jul 22	General Assembly Portable Gauging Tapes
71097/875	1 of 1	3	26 Jul 22	Hub & Battery Cap Sub-assy, B/D 2401/2U & B/D 2401/2UT
71097/916	1 of 1	3	26 Jul 22	Probe and PCB Assembly
71097-583-UI	1 of 1	9	01 Feb 23	Ullage-Temperature Interface Approval Label
71097-583-UTI	1 of 1	9	01 Feb 23	Ullage-Temperature Interface ATEX Approval Label



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