



IECEx Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification System for Explosive Atmospheres

for rules and details of the IECEx Scheme visit www.iecex.com

Certificate No.:	IECEx CML 23.0042X	Page 1 of 4	<u>Certificate history:</u> Issue 0 (2023-07-24)
Status:	Current	Issue No: 1	
Date of Issue:	2025-06-27		
Applicant:	Metal Samples Company (A Division of Alabama Specialty Products Inc.) 152 Metal Samples Road Munford AL 36268 United States of America		
Equipment:	MS2801L CorrTran MV RS-485 LPR Transmitter		
Optional accessory:			
Type of Protection:	Flameproof "db", Intrinsic Safety "ia"		
Marking:	Ex db [ia Ga] IIC T5...T4 Gb -40°C to +80°C Ex db [ia Ga] IIC T6 Gb -40°C to +70°C		

Approved for issue on behalf of the IECEx
Certification Body:

Stelios Roumbedakis

Position:

Certification Manager

Signature:
(for printed version)

S. Roumbedakis

Date:
(for printed version)

2025-06-27

1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting www.iecex.com or use of this QR Code.



Certificate issued by:

Eurofins E&E CML Limited
Unit 1, Newport Business Park
New Port Road
Ellesmere Port, CH65 4LZ
United Kingdom





IECEx Certificate of Conformity

Certificate No.: **IECEx CML 23.0042X**

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Date of issue: 2025-06-27

Issue No: 1

Manufacturer: **Metal Samples Company (A Division of Alabama Specialty Products Inc.)**
152 Metal Samples Road
Munford
AL 36268
United States of America

Manufacturing locations: **Metal Samples Company (A Division of Alabama Specialty Products Inc.)**
152 Metal Samples Road
Munford
AL 36268
United States of America

This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEx Quality system requirements. This certificate is granted subject to the conditions as set out in IECEx Scheme Rules, IECEx 02 and Operational Documents as amended

STANDARDS :

The equipment and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards

IEC 60079-0:2017 Explosive atmospheres - Part 0: Equipment - General requirements
Edition:7.0

IEC 60079-1:2014 Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
Edition:7.0

IEC 60079-11:2011 Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"
Edition:6.0

This Certificate **does not** indicate compliance with safety and performance requirements other than those expressly included in the Standards listed above.

TEST & ASSESSMENT REPORTS:

A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in:

Test Reports:

GB/CML/ExTR23.0054/00

GB/CML/ExTR25.0099/00

Quality Assessment Report:

GB/ITS/QAR14.0019/07



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Date of issue: 2025-06-27

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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

Metal Samples' MS2801L CorrTran RS485 LPR transmitter measures general corrosion, localized corrosion (pitting), and conductance, and transmits that information to operators via RS485 protocol in real time.

The CorrTran MV works with Metal Samples three-electrode CorrTran style probes and electrodes. Probes are available in a variety of mounting types and materials to suit the applicable type of installation.

Refer to Certificate Annex for full Product Description and Conditions of Manufacture.

SPECIFIC CONDITIONS OF USE: YES as shown below:

Refer to Certificate Annex.



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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above) **Issue 1**

This issue introduces the following changes:

1. Remove Zener Diodes ZD13//ZD14 and replace resistors R52 and R53 from 50R to 0R on ET2905 Measurement board (+1.25V).
2. Remove Zener Diodes ZD15//ZD16 and replace resistors R54 and R55 from 50R to 0R on ET2905 Measurement board (+2.5V).
3. Add Alternate Flameproof enclosure.

Annex:

[Certificate Annex IECEx CML 23.0042X Issue 1.pdf](#)

Annexe to: IECEx CML 23.0042X, Issue 1 ☐

Apparatus: MS2801L CorrTran MV RS-485 LPR Transmitter

Applicant: Metal Samples Company
(a Division of Alabama Specialty Products Inc) ☐



Description

M20R5Rr

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[illegible]

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drM20--dd

i. r →

$$00 \rightarrow D_r M$$
$$2 \times 10^6 \rightarrow \mathbb{R}$$

Diagram illustrating the process of a data point being added to a list:

Initial state: A list of 4 elements (represented by boxes) and a new element 'd' to be added.

Process: The new element 'd' is added to the end of the list, resulting in a list of 5 elements.

00 d — r

$$2 \times 10^{-10} \text{ m}^2 \text{ s}^{-1} \text{ r}^{-1}$$
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Component	Certificate Numbers
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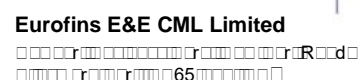
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Components covered by Ex Certificates issued to older editions of Standards



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