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 ETL 21.0003X**

Page 1 of 4

Certificate history:
Issue 0 (2021-02-25)

Status: **Current**

Issue No: 1

Date of Issue: 2022-01-14

Applicant: **Clark-Reliance Corporation**
16633 Foltz Pkwy
Strongsville, OH 44149-5513
United States of America

Equipment: **JMT*-***-***/*****-***** Level Transmitter**

Optional accessory:

Type of Protection: **Flameproof 'db' and Intrinsic Safety 'ia'**

Marking: Ex db ia IIB T4 Gb

-40ºC to +60ºC

IECEx ETL 21.0003X

Approved for issue on behalf of the IECEx Certification Body: **Kevin J. Wolf**

Position: **Certification Officer**

Signature:
(for printed version)

Date:

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:

Intertek
3933 US Route 11 South
Cortland NY 13045-2995
United States of America

IECEx Certificate of Conformity

Certificate No.: **IECEx ETL 21.0003X** Page 2 of 4

Date of issue: 2022-01-14 Issue No: 1

Manufacturer: **Clark-Reliance Corporation**
16633 Foltz Pkwy
Strongsville, OH 44149-5513
United States of America

Additional manufacturing locations:

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 60079-1:2014-06 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:

US/ETL/ExTR19.0035/00 US/ETL/ExTR21.0003/00 US/ETL/ExTR21.0003/01

Quality Assessment Report:

GB/ITS/QAR11.0005/07

IECEx Certificate of Conformity

EQUIPMENT:
Equipment and systems covered by this Certificate are as follows:

The JMT Level Transmitter is a 4-20 mA, loop-powered HART® compatible level transmitter intended to be used in conjunction with a magnetic liquid level gage. It provides an analog output of level and the HART® digital protocol. Outputs can be monitored using 4-20 mA signal output, a HART® device (hand-held or PC-compatible software), the integral display, or all of the above.

See Annex of this certificate for complete model number description.

SPECIFIC CONDITIONS OF USE: YES as shown below:

- IP 66: All covers fully closed;
- IP 20: When the window cover is open exposing electronics to atmosphere, user should take precautions to avoid ingress that might damage protections when cover is removed;
- Voltage needs to be supplied though an approved Hart Compatible Isolator Barrier;
- Take precaution to avoid possible ignition hazards by impact or friction.

IECEx Certificate of Conformity

DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

- Updated Drawing Number A-35152-IS from Rev.0 to Rev.1.

Annex:

SFT-IECEx-OP-19f - Annex for IECEx Certificate of Conformity.pdf

Annex to IECEx Certificate of Conformity

Certificate No:	IECEx ETL 21.0003X	Issue No. 1
Annex No. 2		

Technical Documents			
Title:	Drawing No.:	Rev. Level:	Date:
*ASSEMBLY: GAGE-MOUNT: JMT: INTRINSICALLY SAFE	A-35152-IS	1	01/12/2022
Module: PCB: JMT: Assembled: IS	S-25318-IS	1	02/03/2021
Sensor: JMT: Assemblies: IS	S-25382-IS	1	1/14/2021
Housing: JMT: Assembled: IS	S-25530-IS	1	1/14/2021
PCB Fabrication & Assembly, JMT Base	PC-V22403	3	12/3/2020
PCB Fabrication & Assembly, JMT Analog	PC-V22404	6	1/21/2021
PCB Fabrication & Assembly, JMT CPU	PC-V22405	6	1/21/2021
PCB Fabrication & Assembly, JMT Display	PC-V22406	3	12/3/2020
PCB Fabrication & Assembly, JMT Sensor	PC-V22407	3	12/3/2020
Schematic, JMT Base PCB	ES-V22403	2	6/18/2020
Schematic, JMT Analog PCB	ES-V22404	4	6/17/2020
Schematic, JMT CPU PCB	ES-V22405	4	6/16/2020
Schematic, JMT Display PCB	ES-V22406	2	6/16/2020
Schematic, JMT Sensor PCB	ES-V22407	2	2/27/2020
Tubing: Shrink: Heat: High-Temp	E-HTHS-0375	1	1/6/2021
WIRE: UL1330	E-W-1330	2	02/03/2021
Tag: IS: ATEX/IECEx: JMT	V-22484	4	02/03/2021
Tag: Model/Serial: JMT	V-22683	0	4/7/2020
JMT IS, Control & Installation	CI-35152-IS	6	02/03/2021

*Note: An * is included before the title of documents that are new or revised.*

Annex to IECEx Certificate of Conformity

Certificate No:	IECEx ETL 21.0003X	Issue No. 1
Annex No. 2		

Gage Mount Model Number Designation (JMT*-***-***/*****-*****)									
Mounting Style	*Housing*	*Transmitter Orientation*	*Max Sensing Range*	*Order Length/ Measuring Range*	*Process Condition*	*Level*	*Area Classification*	*Remote Mount*	*Safety Integrity Level*
G = Gage Mount	A2 = Aluminum Dual Compartment	A = Top Left Hand (Std.)	In 1-Inch Increments (12” to 360” [304.8mm to 9144mm])	In hundreths of an inches (12” to 360” [304.8mm to 9144mm])	S = Standard	S = Single Level	0 = Ordinary Location	Null = Standard	Null = None
T = In-Tank	S2 = Stainless Steel Dual Compartment	B = Top Right Hand			H = High Temp	D = Dual Leavel	1 = NA Explosion Proof / Flame Proof	R = Remote Mount	S = SIL
		C = Bottom Right Hand			C = Cold Temp		2 = NA Intrinsic Safety		
		D = Bottom Left Hand			V = Vibration		3 = ATEX / IECEx Flame Proof		
							4 = ATEX / IECEx Intrinsic Safety		