EU-TYPE EXAMINATION

CERTIFICATE

Equipment or Protective System Intended for use in Potentially Explosive Atmospheres Directive 2014/34/EU

1. **EU-Type Examination Certificate Number:** **ETL25ATEX0512X** **Issue 00**
2. **Product:** ****-***-***/*****-***** Level Transmitter
3. **Manufacturer:** Clark Reliance LLC
4. **Address:** 16633 Foltz Pkwy
   Strongsville, OH 44149
   USA
5. This product and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.
6. Intertek Testing Services NA Ltd., Notified Body number 2903 in accordance with Article 17 of Directive 2014/34/EU of the European Parliament and of the Council dated 26 February 2014, certifies that the 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 Annex II of the Directive.
7. Compliance with the Essential Health and Safety Requirements has been assured by compliance with EN IEC 60079-0:2018, EN 60079-1:2014 and EN 60079-11:2012 except in respect of those requirements referred to within item 14 of the Schedule.
8. If the sign “X” is placed after the certificate number, it indicates that the product is subject to the special conditions of use specified in the Schedule to this certificate.
9. This EU-Type Examination Certificate relates only to the design and construction of the specified product. Further requirements of the Directive apply to the manufacturing process and supply of this product. These are not covered by this certificate.
10. The marking of the product shall include the following:

II 2 G

Ex db ia IIB T4 Gb

Tamb: -40°C ÷ +60°C

Certification Officer: Todd L. Relyea **Date:** 28 April 2025

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11. Description of Equipment or Protective System

The product 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.

The product/assembly has two (2) main sub-assemblies: the Electronics Housing and the Sensor Assembly. The Sensor Assembly includes a potted bushing in the threaded fitting providing Ex db separation between the Sensor Assembly and the Electronics Housing.

The Electronics Housing has two sides (compartments): terminal enclosure side/compartment and the electronics side/compartment. The two sides/compartments are separated by a potted bushing.

The electronics side/compartment uses Type of Protection Ex ia even though the Electronics Housing is an Ex db enclosure. The other side, terminal enclosure side/compartment, also uses Type of Protection Ex ia even though the Terminal Housing is an Ex db enclosure. This use of Ex ia is to permit removal of the covers from the electronics side/compartment and/or the terminal enclosure side/compartment while circuits are energized.

The complete product assembly (Electronics Housing and the Sensor Assembly) is to be installed using a field selected Certified Isolating Barrier providing two-wire Ex ia supply/signal as well as the necessary external conduit seals and or cable glands. There are included blocking/limiting circuitry inside the Ex db portion such that the energy available to the Ex ia portion is adequately limited and or suppressed.

In summary, there is one (1) separate Ex db enclosure: Sensor Assembly and two Ex ia enclosure sides/compartments (using Ex db covered sides/compartments) which are separated by potted bushings between each side/compartment.

The Ex db portions of the product are covered under certification ITS19ATEX14921X Issue 01 (IECEx ETL 19.0030X).

The model number designation is detailed below:

Model Number Designation (**-***-***/*****-*****)**										
Brand	*Mounting Style*	*Housing*	*Transmitter Orientation*	*Max Sensing Range*	*Order Length/ Measuring Range*	*Process Condition*	*Level*	*Area Classification*	*Remote Mount*	*Safety Integrity Level*
JMT = Jerguson	G = Gage Mount	A2 = Aluminum Dual Compartment	A = Top Left Hand (Std.)	In 1-Inch Increments (12” to 360” [304.8mm to 9144mm])	In hundredths of an inches (12” to 360” [304.8mm to	S = Standard	S = Single Level	0 = Ordinary Location	Null = Standard	Null = None

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					9144mm])					
PMT = Penbert hy	T = In-Tank	S2 = Stainless Steel Dual Compartme nt	B = Top Right Hand			H = High Temp	D = Dual Leve l	1 = NA Explosion Proof / Flame Proof	R = Remot e Mount	S = SIL
			C = Bottom Right Hand			C = Cold Temp		2 = NA Intrinsic Safety		
			D = Bottom Left Hand			V = Vibratio n		3 = ATEX / IECEx Flame Proof		
								4 = ATEX / IECEx Intrinsic Safety		

CE Marking shall be accompanied by the identification number of the Notified Body responsible for surveillance of production.

12. Report Number

Intertek Report: 106168317CRT-002c Issue: R.1 Dated: 11-April-2025.

13. Special Conditions of Certification

(a). Special Conditions of Use

- 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.

(b). Conditions of Manufacture

- None.

14. Essential Health and Safety Requirements (EHSRs)

The relevant Essential Health and Safety Requirements (EHSRs) have been identified and assessed in Intertek Report: 104028124CRT-007A Issue: R.0 Dated: 18-February-2021.

15. Drawings and Documents

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Title:	Drawing No.:	Rev. Level:	Date:
*ASSEMBLY: MAGNETOSTRICTIVE TRANSMITTER: INTRINSICALLY SAFE	A-35152-IS	2	2/14/2025
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: Intrinsic Safety: ATEX/IECEx: Magnetostrictive Transmitter	V-22484	5	04/04/2025
*Tag: Model/Serial	V-22683	1	2/14/2025
*Control & Installation Drawing: Intrinsically Safe: Magnetostrictive Transmitter	CI-35152-IS	2	2/14/2025