



Member of the FM Global Group

FM Approvals
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CERTIFICATE OF COMPLIANCE

HAZARDOUS (CLASSIFIED) LOCATION ELECTRICAL EQUIPMENT

This certificate is issued for the following equipment:

1616-5015. Wireless UT Thickness Node.
ISSUT5M-XX-YY-5015, with XX = S or TC, YY= 3 or 5. Transducer.
ISDUTXXM-5015, with XX = 2 or 5. Transducer

IS/I/1/ABCD/T4 for $-55^{\circ}\text{C} \leq T_a \leq +55^{\circ}\text{C}$; Control Drawing #1616-6000;
I/0/AEx ia/IIC/ T4 for $-55^{\circ}\text{C} \leq T_a \leq +55^{\circ}\text{C}$; Control Drawing #1616-6000;
IP66.

Special Conditions of Use:

- 1. Do not remove cover, replace batteries, fuse or plug-in module unless the area is known to be free of ignitable gas vapors. Only battery type MISTRAS E950-0036 shall be used.*
- 2. To avoid electrostatic discharge, cleaning must only be performed with a damp cloth.*
- 3. The enclosure contains aluminum and is considered a potential risk of ignition by impact or friction. Care must be taken during installation to prevent impact or friction.*

Equipment Ratings:

Intrinsically safe for Class I, Division 1, Groups A, B, C and D, AEx ia for Class I, Zone 0, Group IIC, temperature code T4 for $-55^{\circ}\text{C} \leq T_a \leq +55^{\circ}\text{C}$; IP66 hazardous (classified) locations.

FM Approved for:

MISTRAS Group
Princeton Junction, NJ
USA

This certifies that the equipment described has been found to comply with the following Approval Standards and other documents:

Class 3600	2011
Class 3610	2010
Class 3810	2005
ANSI/ISA 60079-0	2013
ANSI/ISA 60079-11	2014
ANSI/IEC 60529	2004

Original Project ID: 3051800

Approval Granted: February 29, 2016

Subsequent Revision Reports / Date Approval Amended

Report Number	Date	Report Number	Date
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FM Approvals LLC



J.E. Marquedant
Manager, Electrical Systems

29 February 2016

Date