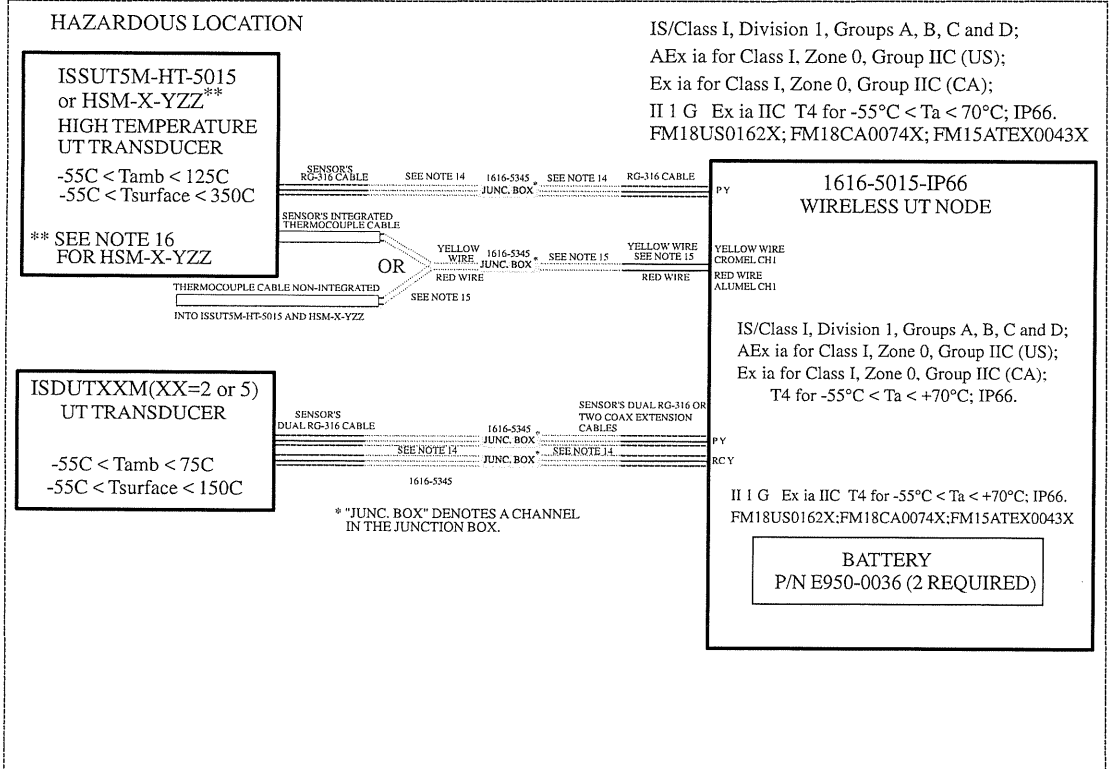


REV	NOTE	INITIAL	DATE
1	FIRST RELEASE	EPL	4/28/16
2	SEE ECN 6092	EPL	8/14/18
3	SEE ECN 6314	HZ	2/25/19
4	SEE CO 10177	RJF	7/2/2021



* "JUNC. BOX" DENOTES A CHANNEL IN THE JUNCTION BOX.

IS CERTIFIED PRODUCT

No Modifications permitted without reference to Approval Agency

COMPANY PRIVATE

This document contains proprietary information which is the property of Mistras Group Incorporated and is delivered to you with our products solely for the purpose of properly operating and maintaining them. This information shall not be duplicated, used or disclosed in whole or in part without written permission of Mistras Group Incorporated.

NOTES:

1. THE INSTALLATION MUST CONFORM TO THE NATIONAL REQUIREMENTS OF THE COUNTRY OF USE.
2. THE 1616-5015-IP66 CAN BE USED WITH UP TO 4 UT TRANSDUCERS.
3. THE 1616-5015-IP66 MAY ONLY BE USED WITH THE ISSUT5M-HT-5015, HSM-X-YYZ AND ISDUTXXM UT TRANSDUCERS.
4. THE ISDUTXXM UT TRANSDUCERS CAN BE XX=2 FOR 2.25 MHz OR XX=5 FOR 5 MHz.
5. THE 1616-5015-IP66 CAN ONLY BE USED WITH E950-0036 BATTERY. TWO BATTERIES ARE REQUIRED.
6. THE 1616-5015-IP66 HOUSING CONTAINS ALUMINUM AND IS CONSIDERED A POTENTIAL RISK OF IGNITION BY IMPACT OR FRICTION. CARE MUST BE TAKEN INTO ACCOUNT DURING INSTALLATION AND USE TO PREVENT IMPACT AND FRICTION.
7. TO AVOID ELECTROSTATIC DISCHARGE CLEAN PLASTIC ANTERNA SURFCE WITH A DAMP CLOTH.
8. SERVICE AND REPAIR OF THE WIRELESS UT NODE MUST BE MADE BY AUHORIZED PERSONNEL AT A SERVICE CENTER.
9. SUBSTITUTION OF COMPONENTS MAY IMPAIR INTRINSIC SAFETY.
10. FOR P Y OR RC Y, Y = TRANSDUCER NUMBER 1, 2, 3 OR 4.
11. UNUSED GLAND CONNECTORS (OF EITHER 1616-5015 OR JUNCTION BOX ASSEMBLY 1616-5345) SHOULD BE PLUGGED WITH PLUG 1616-5310.
12. TIGHTEN EACH GLAND CONNECTOR TO 33 INCH-LBS TORQUE.
13. THE HSM-X-YYX TRANSDUCER CAN BE X=T FOR THE THERMOCOUPLE. N FOR NO THERMOCOUPLE Y=T-THREADED, N=NO THREADED, H=HEX, C=CUSTOM GEOMETRY ZZ=DELAY LINE LENGTH IN 0.1'. MINIMUM LENGTH=L.0'.
14. THE COAX CABLE FROM ALL SENSORS CONNECTS TO THE MAIN UNIT 1616-5015 EITHER DIRECTLY OR INDIRECTLY VIA THE EXTENSION CABLES (THE LATTER CASE WHEN THE SENSOR IS FAR FROM THE MAIN UNIT). COAX CABLE CAN BE EXTENDED WITH 1616-4003-X EXTENSION CABLES. THE EXTENSION CABLES WILL COUPLE TO EACH OTHER INSIDE THE JUNCTION BOX 1616-5345.
15. THE TWO SENSORS ISSUT5M-HT-5015 AND HSM-X-YYZ COME IN TWO TYPES: WITH INTEGRATED THERMOCOUPLE CABLE AND WITHOUT INTEGRATED THERMOCOUPLE CABLE. IN THE LATTER CASE, A STANDALONE THERMOCOUPLE CABLE 1616-4004-YYZ IS USED INSTEAD. IN BOTH CASES, THE THERMOCOUPLE CABLE CONNECTS TO THE MAIN UNIT 1616-5015 EITHER DIRECTLY OR INDIRECTLY THROUGH THERMOCOUPLE EXTENSION CABLES 1616-4002 (AND THE JUNCTION BOXES INSIDE WHICH THE THERMOCOUPLE CABLES COUPLE TOGETHER).
16. THE FRONT FACE OF THE HIGH-TEMPERATURE SENSOR HSM-X-YYZ CAN BE PLACED ON SURFACES WITH TEMPERATURES AS HIGH AS 640C. BUT CARE MUST BE TAKEN THAT THE OTHER SENSOR PARTS EXPOSED TO THE GAS FOR WHICH THERE IS A CERTIFIED RATING (AS SHOWN ON THE DRAWING), WILL NOT HAVE A TEMPERATURE WHICH EXCEEDS WHAT MANDATED BY THE APPROVAL RATING.
17. THE STANDALONE THERMOCOUPLE CABLE 1616-4004-YYZ, AND ALSO THE COAX AND THERMOCOUPLE EXTENSION CABLES AS WELL AS THE JUNCTION BOX SHALL COMPLY WITH ALL THE APPLICABLE REQUIREMENTS FOR SIMPLE APPARATUS FROM ANSI/ISA 60079-11.

	SIGNATURE	DATE	
DRAWN BY	ED LOWENHAR		2021 195 Clarksville Road Princeton Junction, NJ 08550
CHECKED			
ENGINEER	E.P.Lowenhar	6/5/19	TITLE: Wireless UT Thickness Node CONTROL DRAWING
PRODUCTN			MODIFIED: 7/2/2021 BY: Richard Fluster
QUALITY			SIZE: B DRAWING # 1616-6000
OPTIONAL			FILE: \\mistras\internal\1616_Note\1616-6000_411616-6000_1_SIBSET 1 OF 1