Addendum to

ULTIMA® X5000 Gas Monitoring System

Operating Manual 10177361

Order No.: 10182779/00

Print spec 10000005389(A)

Manufacturer: MSA THE SAFETY COMPANY
Address: 1000 Cranberry Woods Drive , Cranberry Township, PA 16066 USA

PRODUCT: ULTIMA® X5000 GAS MONITOR consisting of an ULTIMA® X5000 main transmitter, optional DIGITAL SENSOR, optional ULTIMA® XIR PLUS, optional X5000 JUNCTION BOX.

Certifications and Markings

Certificate of Compliance (USA & Canada): 70116284 (LR 064969_0_00)
Year of Manufacture: See serial number
Serial No.: See label

STANDARDS

ULTIMA® X5000 GAS MONITOR SYSTEM	USA	CANADA
ULTIMA® X5000 MAIN TRANSMITTER	ANSI/IEC 60529-2004 (r. 2011) ANSI/ISA 61010-1 (82.02.01) Ed. 3 ANSI/ISA-60079-0 (12.00.01)-2013 ANSI/ISA-60079-29-1 (12.13.01)-2013 ANSI/UL 50 Ed. 13 ANSI/UL 50E Ed. 2 ANSI/UL 60079-1(12.22.01)-2013 ANSI/UL 60079-31(12.10.03)-2015 FM Class 3600:2011 FM Class 3615:2006 FM Class 3616:2011 FM Class 3810:2005	C22.2 No. 0-10 C22.2 No. 25-1966 C22.2 No. 30-M1986 C22.2 No. 60079-0:15 C22.2 No. 60079-1:16 C22.2 No. 61010-1-12 CAN/CSA C22.2 No. 60079-31:15 CAN/CSA C22.2 No. 60529:05 (r. 2015) CAN/CSA C22.2 No. 94.1-15 CAN/CSA C22.2 No. 94.2-15 CSA C22.2 No. 152-M1984
X5000 JUNCTION BOX	ANSI/IEC 60529-2004 (r. 2011) ANSI/ISA 61010-1 (82.02.01) Ed. 3 ANSI/ISA-60079-0 (12.00.01)-2013 ANSI/ISA-60079-29-1 (12.13.01)-2013 ANSI/UL 50 Ed. 13 ANSI/UL 50E Ed. 2 ANSI/UL 60079-1(12.22.01)-2013 ANSI/UL 60079-31(12.10.03)-2015 FM Class 3600:2011 FM Class 3615:2006 FM Class 3616:2011 FM Class 3810:2005	C22.2 No. 0-10 C22.2 No. 25-1966 C22.2 No. 30-M1986 C22.2 No. 60079-0:15 C22.2 No. 60079-1:16 C22.2 No. 61010-1-12 CAN/CSA C22.2 No. 213-2015 CAN/CSA C22.2 No. 60079-31:15 CAN/CSA C22.2 No. 60529:05 (r. 2015) CAN/CSA C22.2 No. 94.1-15 CAN/CSA C22.2 No. 94.2-15 CSA C22.2 No. 152-M1984
DIGITAL SENSOR	ANSI/UL 50 ANSI/UL 50E ANSI/UL 60079-1(12.22.01)-2013 ANSI/UL 60079-31(12.10.03)-2015 FM Class 3600 December 2011 FM Class 3615 August 2006 FM Class 3616 December 2011	C22.2 No. 60079-1:16 CAN/CSA C22.2 No. 25-1966 CAN/CSA C22.2 No. 30-1986 CAN/CSA C22.2 No. 60079-31:15
ULTIMA XIR PLUS	ANSI/UL 60079-0 ANSI/UL 60079-1 (12.22.01)-2013 ANSI/UL 61010-1 UL 1203	C22.2 No. 0-10 C22.2 No. 25-1966 C22.2 No. 30-M1986 C22.2 No. 60079-0 C22.2 No. 60079-1:16 C22.2 No. 61010-1-12

US

HAZARDOUS LOCATIONS

ULTIMA® X5000 GAS MONITOR SYSTEM	USA	CANADA
ULTIMA® X5000 MAIN TRANSMITTER	Class I, Division 1, Groups A, B, C, D; T5 Class II, Division 1, Groups E, F, G; T6; Class III Class I, Zone 1, AEx db IIC T5 Gb Zone 21, AEx tb IIIC T85 °C Db	Class I, Division 1, Groups A, B, C, D; T5 Class II, Division 1, Groups E, F, G; T6; Class III Ex db IIC T5 Gb Ex tb IIIC T85 °C Db
X5000 JUNCTION BOX	Class I, Division 1, Groups A, B, C, D; T6 Class I, Division 2, Groups A, B, C, D; T6 Class II, Division 1, Groups E, F, G; T6; Class III Class I, Zone 1, AEx db IIC T6 Gb Class I, Zone 2, AEx nA IIC T6 Gc Zone 21, AEx tb IIIC T85 °C Db	Class I, Division 1, Groups A, B, C, D; T6 Class I, Division 2, Groups A, B, C, D; T6 Class II, Division 1, Groups E, F, G; T6; Class III Ex db IIC T6 Gb Ex nA IIC T6 Gc Ex tb IIIC T85 °C Db
DIGITAL SENSOR	Class I, Division 1, Groups A, B, C, D; T5 Type 3X Class I, Zone 1, AEx db IIC T4 Gb IP65	Class I, Division 1, Groups A, B, C, D; T5 Type 3X Ex db IIC T4 Gb IP65
ULTIMA XIR PLUS	Class I, Division 1, Groups A, B, C and D; Class II, Division 1, Groups E, F and G; Class III; T4 Class I, Zone 1, AEx db IIC T4 Gb	Class I, Division 1, Groups B, C and D; Class II, Division 1, Groups E, F and G; Class III; T4 Ex db IIC T4 Gb

US

PERFORMANCE

ULTIMA® X5000 GAS MONITOR SYSTEM	USA CANADA
ULTIMA® X5000 MAIN TRANSMITTER	Combustible: Methane, Propane Measuring Range: 0-100% LEL
X5000 JUNCTION BOX	
DIGITAL SENSOR	
ULTIMA XIR PLUS	

⚠ WARNING!

READ AND UNDERSTAND ALL INSTRUCTIONS, WARNINGS AND CAUTIONS PRIOR TO INSTALLATION OF ANY COMPONENTS OF THIS SYSTEM.
FOR SAFETY REASONS THIS EQUIPMENT MUST BE OPERATED AND SERVICED BY QUALIFIED PERSONNEL ONLY. DO NOT OPERATE THIS EQUIPMENT UNTIL AFTER THE INSTRUCTION MANUAL IS READ AND UNDERSTOOD FOR PROPER INSTALLATION AND OPERATION.

FIRE AND SHOCK HAZARDS

LIVE CIRCUITS BEHIND COVER, DISCONNECT OR OPEN THE CIRCUIT BEFORE REMOVING THE COVER TO THE ULTIMA® X5000 MAIN TRANSMITTER OR X5000 JUNCTION BOX AND DO NOT SEPARATE PLUGGABLE CONNECTORS WHEN ENERGIZED.

HAZARDOUS LOCATIONS HAZARDS

SEALING REQUIREMENTS: AN EXPLOSIONPROOF SEAL SHALL BE INSTALLED WITHIN 18 in OF THE ENCLOSURE OF THE STAINLESS STEEL ULTIMA® X5000 MAIN TRANSMITTER WHEN INSTALLED IN A HAZARDOUS AREA. NO SEAL IS REQUIRED FOR THE STAINLESS STEEL ULTIMA® X5000 JUNCTION BOX.

ALL WIRING TO OR FROM THIS DEVICE, MUST UTILIZE WIRING METHODS SUITABLE FOR THE AREA CLASSIFICATION AND APPLICABLE PROTECTION METHODS AS APPROPRIATE FOR THE INSTALLATION AND IN ACCORDANCE WITH THE AUTHORITY HAVING JURISDICTION.

DO NOT OPEN WHEN ENERGIZED OR WHEN AN EXPLOSIVE ATMOSPHERE IS PRESENT.

POTENTIAL ELECTROSTATIC CHARGING HAZARD. CLEAN EQUIPMENT ONLY WITH DAMP CLOTH.

COMBUSTIBLE PERFORMANCE

NO INGRESS PROTECTIONS CLAIMS ARE MADE FOR COMBUSTIBLE GAS DETECTION PERFORMANCE.

NOT PERFORMANCE APPROVED FOR CLASS II, CLASS III, ZONE 21. THE DIGITAL SENSOR MAY BECOME CLOGGED AND NOT DETECT GAS OR WARN USER OF INABILITY TO DETECT GAS.

DURING CALIBRATION THE AREA MUST BE FREE OF FLAMMABLE GASES.

A HIGH OFF-SCALE READING MAY INDICATE AN EXPLOSIVE CONCENTRATION OF COMBUSTIBLE GAS.

THE DIGITAL SENSOR AND ULTIMA® XIR PLUS SENSORS DESIGNED FOR EXCLUSIVE USE WITH THE ULTIMA® X5000 GAS MONITOR SYSTEM.

USE OF SOME ACCESSORIES ARE NOT COVERED UNDER THE PERFORMANCE APPROVAL, CONTACT MSA FOR DETAILS.