



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:

M2W-ab-cde-fE. Monoscan Ex. Ultrasonic Level Detector.

IS / I, II, III / 1 / ABCDEFG / T4 Ta = 70°C; Type 4 – TEC0008A, TEC0009A.

a = main application; S (solid), L (liquid), or O (open channel / flow).

b = range; 1 (short range), or 2 (standard range).

c = transducer type; A (coated aluminum), or S (stainless steel).

d = transducer housing and threads; D (PVDF 2 inch NPT), C (PVDF 2 inch BSP), B (Polypropylene 2 inch NPT) A (Polypropylene 2 inch BSP), K (PVDF 2 inch NPT), P (PVDF 2 inch BSP), M (Polypropylene 2 inch NPT) or L (Polypropylene 2 inch BSP).

e = units; F (feet) or M (meter).

f = mechanical interface; G (connector), N (conduit 1/2 inch NPT), or B (conduit M20).

Special Conditions of Use:

1) The supplies from the two barriers are to be prevented from combining with each other in the supply cable by using a cable with a screen around each circuit, grounded on one end only.

M85-ab-cdefgE. Monoscan 485 Ex. Ultrasonic Level Detector.

IS / I, II, III / 1 / ABCDEFG / T4 Ta = 70°C; Type 4– TEC0010A, TEC0011A.

a = main application; S (solid), L (liquid), or O (open channel / flow).

b = range; 7 (short range), or 8 (standard range).

c = transducer type; A (coated aluminum), or S (stainless steel).

d = transducer housing and threads; D (PVDF 2 inch NPT), C (PVDF 2 inch BSP), B (Polypropylene 2 inch NPT) A (Polypropylene 2 inch BSP), K (PVDF 2 inch NPT), P (PVDF 2 inch BSP), M (Polypropylene 2 inch NPT) or L (Polypropylene 2 inch BSP).

e = units; F(feet) or M (meter).

f = mechanical interface; G (connector), N (conduit 1/2 inch NPT), or B (conduit M20).

g= (external unit)

1: 18-28VDC 2.4 W – HART

2: 18-28VDC 2.4 W – 3 SPDT relays

3: 18-28VDC 2.4 W HART and 3 SPDT relays

4: 100- 240VAC 50/60Hz - HART

5: 100- 240VAC 50/60Hz - 3 SPDT relays

6: 100- 240VAC 50/60Hz - HART and 3 SPDT relays

Special Conditions of Use:

1) The supplies from the two barriers are to be prevented from combining with each other in the supply cable by using a cable with a screen around each circuit, grounded on one end only.

Equipment Ratings:

Intrinsically Safe for use in Class I, II, and III, Division 1, Groups A, B, C, D, E, F, and G Temperature Code T4 Ta = 70°C, Indoor and Outdoor Use Hazardous (Classified) Locations.

FM Approved for:

Solid Applied Technologies Ltd.
40 Hutzot Hayotzer St, South Industrial Zone
Ashkelon, 78170
Israel

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

Class 3600	1998
Class 3610	2010
Class 3810	1989
Supplement #1	1995
NEMA 250	1991


Original Project ID: 3017834

Approval Granted: November 14, 2003

Subsequent Revision Reports / Date Approval Amended

Report Number	Date	Report Number	Date
040202	February 16, 2004		
3041811	June 15, 2011		

FM Approvals LLC



J. E. Marquedant
Group Manager, Electrical

15 June 2011

Date