

1 EU-TYPE EXAMINATION CERTIFICATE



2 Equipment or Protective systems intended for use in Potentially
Explosive Atmospheres - Directive 2014/34/EU

3 EU-Type Examination Certificate No: FM15ATEX0044X

4 Equipment or protective system: ACLP-IS, ACLP-IS-HDN, AC10-LP-IS, AC15-LP-IS,
(Type Reference and Name) AC15-LP-IS-HDN, AC20-LP-IS, AC40-LP-IS, AC40-LP-
IS-HDN, AC40-LPDW-IS, AC30-60-IS, AC30-60-IS-HYD,
AC30-60F-IS, and AC60-LP-IS Aircraft Weighing
Scales

5 Name of Applicant: Intercomp Company

6 Address of Applicant: 3839 County Road 116
Medina MN 55340
United States of America

7 This equipment or protective system and any acceptable variation thereto is specified in the schedule to this certificate and documents therein referred to.

8 FM Approvals Europe Ltd, notified body number 2809 in accordance with Article 17 of Directive 2014/34/EU of 26th February 2014, certifies that this equipment has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment intended for use in potentially explosive atmospheres given in Annex II to the Directive.

The examination and test results are recorded in confidential report number:

3052103 dated 25th October 2015

9 Compliance with the Essential Health and Safety Requirements, with the exception of those identified in item 15 of the schedule to this certificate, has been assessed by compliance with the following documents:

EN IEC 60079-0:2018 and EN 60079-11:2012

10 If the sign 'X' is placed after the certificate number, it indicates that the equipment is subject to specific conditions of use specified in the schedule to this certificate.

11 This EU-Type Examination certificate relates only to the design, examination and tests of the specified equipment or protective system in accordance to the directive 2014/34/EU. Further requirements of the Directive apply to the manufacturing process and supply of this equipment or protective system. These are not covered by this certificate.

12 The marking of the equipment or protective system shall include:



II 2 G Ex ib IIB T3 Gb

Martin Crowe
Certification Manager, FM Approvals Europe Ltd.

Issue date: 23 November 2023

THIS CERTIFICATE MAY ONLY BE REPRODUCED IN ITS ENTIRETY AND WITHOUT CHANGE

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F ATEX 020 (Dec/2020)



SCHEDULE



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to EU-Type Examination Certificate No. FM15ATEX0044X

13 Description of Equipment or Protective System:

The ACLP-IS, ACLP-IS-HDN, AC10-LP-IS, AC15-LP-IS, AC15-LP-IS-HDN, AC20-LP-IS, AC40-LP-IS, AC40-LP-IS-HDN, AC40-LPDW-IS, AC30-60-IS, AC30-60-IS-HYD, AC30-60F-IS and AC60-LP-IS aircraft weighing scale contains an indicator assembly, protective interface board, battery pack and four to six resistive type load cells. The weighing scales are standalone devices powered by either four 1.5 V Duracell MN1500 Size: AA (LR6) or MN1400 Size: C (LR14) Alkaline-Manganese Dioxide Battery (Zn/MnO₂) or powered from an MTL7758+ FM Approved intrinsic safety barrier. The AC30-60-IS, AC30-60F-IS, and AC60-LP-IS models include an angle sensor. The AC30-60-IS, AC30-60-IS-HYD, and AC30-60F-IS are the only models that have a removable battery pack. AC30-60-IS-HYD utilizes hydraulic cylinders. The ambient operating temperature range of the aircraft weighing scales is -20°C to 40°C.

14 Specific Conditions of Use:

1. Only Duracell Type MN1400, Size: C (LR14), 1.5 V (Nom) Alkaline-Manganese Dioxide Battery (Zn/MnO₂) may be used in the AC30-60-IS, AC30-60-IS-HYD, and AC30-60F-IS.
2. Only Duracell Type MN1500, Size: AA (LR6), 1.5 V (Nom) Alkaline-Manganese Dioxide Battery (Zn/MnO₂) may be used in the AC10-LP-IS, AC15-LP-IS, AC15-LP-IS-HDN, AC20-LP-IS, ACLP-IS, ACLP-IS-HDN, AC40-LPDW-IS, AC40-LP-IS, AC40-LP-IS-HDN, and AC60-LP-IS.
3. The enclosure contains a window constructed from plastic. To prevent the risk of electrostatic sparking the plastic surface should only be cleaned with a damp cloth.
4. The apparatus enclosure contains aluminum and is considered to constitute a potential risk of ignition by impact or friction. Care must be taken into account during installation and use to prevent impact or friction.
5. The scale will not pass a 500 VRMS insulation test between the circuit and circuit frame. This shall be taken into account during installation. For example, by use of a bonding conductor to the barrier ground.

15 Essential Health and Safety Requirements:

The relevant EHSRs that have not been addressed by the standards listed in this certificate have been identified and assessed in the confidential report identified in item 8.

16 Test and Assessment Procedure and Conditions:

This EU-Type Examination Certificate is the result of testing of a sample of the product submitted, in accordance with the provisions of the relevant specific standard(s), and assessment of supporting documentation. It does not imply an assessment of the whole production.

Whilst this certificate may be used in support of a manufacturer's claim for CE Marking, FM Approvals Europe Ltd accepts no responsibility for the compliance of the equipment against all applicable Directives in all applications.

This Certificate has been issued in accordance with FM Approvals Europe Ltd's ATEX Certification Scheme.

17 Schedule Drawings

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SCHEDULE



Member of the FM Global Group

to EU-Type Examination Certificate No. FM15ATEX0044X

A list of the significant parts of the technical documentation is annexed to this certificate and a copy has been kept by the Notified Body.

18 Certificate History

Details of the supplements to this certificate are described below:

Date	Description
28 th October 2015	Original Issue.
17 th June 2016	<u>Supplement 1:</u> Report Reference: RR205062 dated 16 th June 2016. Description of the Change: Minor drawing changes and update to product naming convention. Update to EU-Type Examination certificate.
14 th February 2017	<u>Supplement 2:</u> Report Reference: RR208195 dated 13 th February 2017. Description of the Change: Minor product and documentation updates.
26 th July 2018	<u>Supplement 3:</u> Report Reference: RR215002 dated 24 th July 2018. Description of the Change: Minor product updates.
20 th March 2019	<u>Supplement 4:</u> Description of the Change: Certificate transferred from FM Approvals Ltd., notified body no. 1725, to FM Approvals Europe Ltd., notified body no. 2809.
10 th October 2019	<u>Supplement 5:</u> Report Reference: RR219769 dated 09 th October 2019. Description of the Change: Minor documentation updates. Addition of model ACLP-IS-HDN, AC15-LP-IS-HDN, AC40-LP-IS-HDN, and AC30-60-IS-HYD scales. Addition of missing enclosure related Specific Condition of Use.
23 rd April 2020	<u>Supplement 6:</u> Report Reference: RR223425 dated 22 nd April 2020. Description of the Change: Minor documentation updates not affecting safety.
04 th September 2020	<u>Supplement 7:</u> Report Reference: RR224853 dated 03 rd September 2020. Description of the Change: Minor mechanical design change not affecting safety.
18 th February 2021	<u>Supplement 8:</u> Report Reference: RR227073 dated 17 th February 2021. Description of the Change: Added alternate label which lists the weight capacity of the scale not affecting safety.
23 November 2023	<u>Supplement 9:</u> Report Reference: RR231097 dated 7 November 2023. Description of the Change: Minor drawing changes not affecting safety. The standard EN 60079-0:2012+A1:2013 is updated to EN IEC 60079-0:2018..

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Blueprint Report

Intercomp Co (100008147)

Class No 3610

Original Project I.D. 3052103

Certificate I.D. FM15ATEX0044X

Drawing No.	Revision Level	Drawing Title	Last Report
000317-B_BOM	A	PCB ASSY CAS-CAM TILT FREDERIC	3052103
000425_BOM	C	BATTERY CAP ASSEMBLY	RR219769
000425	C	BATTERY CAP ASSEMBLY	RR215002
0200120_BOM	C	AC60-LP-IS INDICATOR ASSEMBLY	RR231097
0200139_BOM	A	HARNESS ASSY_POWER-COM_AC60-LP-IS	3052103
0200150_BOM	B	ACLP-IS INDICATOR ASSEMBLY	3052103
0200151_BOM	C	AC-LP-DW-IS SCALE ASSEMBLY 30K	RR208195
0200151	C	AC-LP-DW-IS SCALE ASSEMBLY 30K	RR208195
0200154_BOM	C	ACLP-IS 15X15 BASE ASSEMBLY	RR208195
0200154	C	ACLP-IS 15X15 BASE ASSEMBLY	RR208195
0200155_BOM	A	ACLP-IS PWR-COM HARNESS	3052103
0200156_BOM	C	ACLP-IS SCALE ASSEMBLY 30K	RR208195
0200156	C	ACLP-IS SCALE ASSEMBLY 30K	RR208195
0200169_BOM	D	AC30-60-IS INDICATOR ASSEMBLY XBEE	RR219769
0200170_BOM	A	AC30-60-IS BASIC ASSEMBLY 60K STD	3052103
0200170	A	AC30-60-IS BASIC ASSEMBLY 60K STD	3052103
0200171_BOM	D	AC30-60-IS BATTERY HOLDER SUB-ASSEMBLY	3052103
0200171	D	AC30-60-IS BATTERY HOLDER ASSEMBLY	3052103
0200172_BOM	A	AC30-60-IS COM. HARNESS	3052103
0200173_BOM	A	AC30-60-IS POWER CABLE HARNESS	3052103
0200180_BOM	D	AC30-60F-IS BATTERY HOLDER ASSEMBLY	3052103
0200180	D	AC30-60F-IS BATTERY HOLDER ASSEMBLY	3052103
0200181_BOM	B	AC30-60F-IS INDICATOR ASSEMBLY XBEE	3052103
0200299_BOM	A	Production BOM - 0200299 - AC3060 5-30K HYD WIRELESS ASSEMBLY	RR219769
0200299	A	AC3060 5-30K HYD WIRELESS ASSEMBLY	RR219769
0200300_BOM	A	Production BOM - 0200300 - ACLP-IS SCALE ASSEMBLY 30K HDN	RR219769
0200300	A	ACLP-IS SCALE ASSEMBLY 30K HDN	RR219769
0200301_BOM	A	Production BOM - 0200301 - ACLP-IS 15 X 15 BASE ASSEMBLY HDN	RR219769
0200301	A	ACLP-IS 15 X 15 BASE ASSEMBLY HDN	RR219769
0200387_BOM	A	AC60-LP-IS Circuitry Assy	RR227073
0200414_BOM	A	BOM - ACLP-IS 15X15 Base Assembly 15K	RR231097
0200414	A	ACLP-IS 15X15 Base Assembly 15K	RR231097
140067-IS_BOM	C	AC10LP-DW-IS LOW PROFILE RFX PLATFORM SCALE (10K)	RR208195
140069-IS_BOM	D	AC30LP-DW LOW PRO PLTFM SCALE	RR208195
140296-IS_BOM	E	AC10LP 15X15 10K LOW PRO SCALE	RR208195
144008_BOM	D	AC60-LP-IS SCALE	RR208195
144008	D	AC60-LP IS SCALE	RR208195
144019_BOM	C	AC30-LP-DW-IS PLATFORM SCALE	RR208195
144019	C	AC30-LP-DW-IS PLATFORM SCALE	RR208195
144020_BOM	C	AC15-LP-IS PLATFORM SCALE (10K)	RR208195
144020	C	AC15-LP-IS PLATFORM SCALE (10K)	RR208195
144021_BOM	C	AC40-LP-IS PLATFORM SCALE (30K)	RR208195
144021	C	AC40-LP-IS PLATFORM SCALE (30K)	RR208195
144036_BOM	C	AC10-LP DW LOW PROFILE RFX PLATFORM SCALE (10K)	RR208195
144054_BOM	A	Production BOM - 144054 - AC40-LP-IS PLATFORM SCALE (30K) HDN	RR219769
144054	A	AC40-LP-IS PLATFORM SCALE (30K) HDN	RR219769
144055_BOM	A	Production BOM - 144055 - AC15-LP-IS PLATFORM SCALE (10K) HDN	RR219769
144055	A	144055 - AC15-LP-IS PLATFORM SCALE (10K) HDN	RR219769
144062	A	AC15-LP-IS Platform Scale (15K)	RR231097
144063_BOM	A	144063 - AC60-LP RFX Platform Scale 70K Cap	RR227073
144063	A	144063 - AC60-LP RFX Platform Scale 70K Cap	RR227073
145004_BOM	A	AC30-60F-IS SCALE ASSEMBLY GRAY	3052103
145004	A	AC30-60F-IS SCALE ASSEMBLY GRAY	3052103
145010_BOM	A	AC30-60-IS PLATFORM SCALE	3052103
145010	A	AC30-60-IS PLATFORM SCALE	3052103
145026_BOM	A	Production BOM - 145026 - AC30-60-IS (50K) HYD 10LB	RR219769
145026	A	AC30-60-IS (50K) HYD 10LB.pdf	RR219769
145027_BOM	A	Production BOM - 145027 - AC30-60-IS (30K) HYD 5LB	RR219769
145027	A	145027 - AC30-60-IS (30K) HYD 5LB	RR219769
145028_BOM	A	Production BOM - 145028 - AC30-60-IS (10K) HYD 2LB	RR219769
145028	A	145028 - AC30-60-IS (10K) HYD 2LB	RR219769
145029_BOM	A	Production BOM - 145029 - AC30-60-IS (5K) HYD 2LB	RR219769
145029	A	145029 - AC30-60-IS (5K) HYD 2LB	RR219769
145030_BOM	A	Production BOM - 145030 - AC30-60-IS (60K) HYD 10LB	RR219769
145030	A	AC30-60-IS (60K) HYD 10LB	RR219769
2505546	D	CE/EX label for ACXX-LP-IS, AC30-60-IS, AC30-60F-IS	RR231097
2505547	A	BATTERY ORIENTATION LABEL FOR AC1-25 / AC15-LP IS	3052103
2505548	D	WARNING LABEL FOR AC1-25 IS / AC15-LP IS	3052103

2505556	A	PRODUCT MODEL AND SERIAL NUMBER LABEL	3052103
2505557	D	WARNING LABEL FOR AC30-60-IS / AC30-60F-IS	3052103
2505666	A	AC60-LP-IS Inserts	RR227073
270065_PCB	B	TILT PRINTED CIRCUIT BOARD	3052103
270065	B	TILT_SCHEMATIC	3052103
270088_PCB	3	AD REV E PRINTED CIRCUIT BOARD	3052103
2703019_PCB	1C	PROTECTIVE INTERFACE Rev A PRINTED CIRCUIT BOARD	3052103
2703019	A	PROTECTIVE INTERFACE REV A_SCHEMATIC	3052103
501298	D	AC125/LP600/CW250 KEYPAD PROTECTOR	RR215002
503146_BOM	E	AC3060-IS PLATFORM THREAD CHASE	RR231097
504995_BOM	C	Production BOM - 504995 - AC3060 35K-80K HYD WIRELESS ASSEMBLY	RR219769
504995	C	504995 - AC3060 35K-80K HYD WIRELESS ASSEMBLY	RR219769
505415_BOM	D	AC3060 BASE	RR208195
5201597_BOM	D	AC60LP PLATFORM	RR205062
5201597	D	AC60LP PLATFORM	RR208195
5201604_BOM	F	AC60LP BASE	RR205062
5201604	G	AC3060 NEX GEN BASE	RR224853
5201605_BOM	E	AC60-LP LOW PRO ASSEMBLY	RR208195
5201605	E	AC3060 NEX GEN SCALE ASSEMBLY	RR208195
5201710	B	AC3060 KEYPAD SUPPORT	3052103
5201712	C	AC3060 KEYPAD PROTECTOR	RR219769
5201714	C	AC3060 KEYPAD GASKET	RR227073
5201716	B	AC3060 BATTERY COVER	3052103
5202077	B	AC30-60F-IS-BASIC ASSEMBLY 60K GRAY	RR231097
5202146	A	AC30-IS BATTERY PROTECTIVE TUBE	3052103
550230_BOM	A	AC3060 ANGLE SENSOR CABLE	3052103
603215	C	TESTED LP STEEL LOADCELL	RR223425
6033232	D	LOADCELL DOUBLE END SHEAR 15K	RR219769
7005070	L	AC60LP-IS USER MANUAL	RR231097
7005073	K	AC10LP-IS, AC15LP-IS PLATFORM SCALE OPERATION/CALIBRATION MANUAL	RR231097
7005074	L	AC20LP-IS, AC40LP-IS, ACLP-IS, ACLP-DW-IS PLATFORM SCALE OPERATION/CALIBRATION MANUAL	RR231097
7005085	K	AC30-60-IS & AC30-60F-IS PLATFORM SCALES OPERATIONS MANUAL	RR231097
750517	B	AD REV E CONTROL PANEL HARNESS	3052103
750687	B	AC3060 ANGLE HARNESS	3052103
7510278_BOM	D	PROTECTIVE INTERFACE	3052103
7510279	A	AC60-LP-IS POWER/COM HARNESS	3052103
7510280	D	Assembly Instructions: AC60-LP-IS Circuitry Assy	RR227073
7510287	B	AC30-60 SYSTEM BLOCK DIAGRAM	3052103
7510292	B	AC10/15-LP-IS SYSTEM BLOCK DIAGRAM	3052103
7510293	B	AC40-LP-IS SYSTEM BLOCK DIAGRAM	3052103
7510294	B	AC30-60-IS SYSTEM BLOCK DIAGRAM	3052103
7510326	B	AC30-60-F-IS SYSTEM BLOCK DIAGRAM	3052103
7510374_BOM	C	AC6CH-IS BOARD	3052103
7510375	B	ACXX-LP-IS & AC30-60-IS SYSTEM INSTALLATION	3052103
7510378	A	AD REV E, IS VERSION_SCHEMATIC	3052103
7510383	C	AC6CH-IS CONFORMAL COAT	RR208195