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UNITED KINGDOM CONFORMITY ASSESSMENT

UK-TYPE EXAMINATION CERTIFICATE



2 Equipment or Protective systems intended for use in Potentially Explosive Atmospheres –
UKSI 2016:1107 (as amended) – Schedule 3A, Part 1

3 UK-Type Examination Certificate No: FM22UKEX0005X

4 Equipment or protective system:
(Type Reference and Name) 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 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 Ltd, Approved Body number 1725, in accordance with Regulation 42 of the Equipment and Protective Systems Intended for Use in Potentially Explosive Atmospheres Regulations 2016, UKSI 2016:1107 (as amended), certifies that this product has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of products intended for use in potentially explosive atmospheres given in Schedule 1 of the Regulations.

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

3052103-RR231097 dated 7th November 2023

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 UK-Type Examination certificate relates only to the design, examination and tests of the specified equipment or protective system in accordance with the Regulations. Further requirements of the Regulations apply to the manufacturing process and supply of this product. 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

Victor Aluko-Oginni
Certification Manager, FM Approvals Ltd.

Issue date: 13th December 2023

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

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F UKEX 020 (Jan/21)



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SCHEDULE

to UK-Type Examination Certificate No. FM22UKEX0005X

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:

In addition to the Essential Health and Safety Requirements covered by the standards listed at item 9, all other requirements are demonstrated in the confidential report identified in item 8.

16 Test and Assessment Procedure and Conditions:

This UK-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 UKCA Marking, FM Approvals Ltd accepts no responsibility for the compliance of the equipment against all applicable Regulations in all applications.

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

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

SCHEDULE

to UK-Type Examination Certificate No. FM22UKEX0005X

17 Schedule Drawings

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

18 Certificate History

Details of the supplements to this certificate are described below:

Date	Description
13 th December 2023	Original Issue.

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Blueprint Report

Intercomp Co (1000008147)

Class No 3610

Original Project I.D. 3052103

Certificate I.D. FM22UKEX0005X

<u>Drawing No.</u>	<u>Revision Level</u>	<u>Drawing Title</u>	<u>Last Report</u>	<u>Electronic Drawing</u>
000317-B_BOM	A	PCB ASSY CAS-CAM TILT FREDERIC	3052103	Yes (xml)
000425_BOM	C	BATTERY CAP ASSEMBLY	RR219769	Yes (pdf)
000425	C	BATTERY CAP ASSEMBLY	RR215002	Yes (pdf)
0200120_BOM	C	AC60-LP-IS INDICATOR ASSEMBLY	RR231097	Yes (xml)
0200139_BOM	A	HARNESS ASSY_POWER-COM_AC60-LP-IS	3052103	Yes (xml)
0200150_BOM	B	ACLP-IS INDICATOR ASSEMBLY	3052103	Yes (xml)
0200151_BOM	C	AC-LP-DW-IS SCALE ASSEMBLY 30K	RR208195	Yes (xml)
0200151	C	AC-LP-DW-IS SCALE ASSEMBLY 30K	RR208195	Yes (pdf)
0200154_BOM	C	ACLP-IS 15X15 BASE ASSEMBLY	RR208195	Yes (xml)
0200154	C	ACLP-IS 15X15 BASE ASSEMBLY	RR208195	Yes (pdf)
0200155_BOM	A	ACLP-IS PWR-COM HARNESS	3052103	Yes (xml)
0200156_BOM	C	ACLP-IS SCALE ASSEMBLY 30K	RR208195	Yes (xml)
0200156	C	ACLP-IS SCALE ASSEMBLY 30K	RR208195	Yes (pdf)
0200169_BOM	D	AC30-60-IS INDICATOR ASSEMBLY XBEE	RR219769	Yes (pdf)
0200170_BOM	A	AC30-60-IS BASIC ASSEMBLY 60K STD	3052103	Yes (xml)
0200170	A	AC30-60-IS BASIC ASSEMBLY 60K STD	3052103	Yes (pdf)
0200171_BOM	D	AC30-60-IS BATTERY HOLDER SUB-ASSEMBLY	3052103	Yes (xml)
0200171	D	AC30-60-IS BATTERY HOLDER ASSEMBLY	3052103	Yes (pdf)
0200172_BOM	A	AC30-60-IS COM. HARNESS	3052103	Yes (xml)
0200173_BOM	A	AC30-60-IS POWER CABLE HARNESS	3052103	Yes (xml)
0200180_BOM	D	AC30-60F-IS BATTERY HOLDER ASSEMBLY	3052103	Yes (xml)
0200180	D	AC30-60F-IS BATTERY HOLDER ASSEMBLY	3052103	Yes (pdf)
0200181_BOM	B	AC30-60F-IS INDICATOR ASSEMBLY XBEE	3052103	Yes (xml)
0200299_BOM	A	Production BOM - 0200299 - AC3060 5-30K HYD WIRELESS ASSEMBLY	RR219769	Yes (pdf)
0200299	A	AC3060 5-30K HYD WIRELESS ASSEMBLY	RR219769	Yes (pdf)
0200300_BOM	A	Production BOM - 0200300 - ACLP-IS SCALE ASSEMBLY 30K HDN	RR219769	Yes (pdf)
0200300	A	ACLP-IS SCALE ASSEMBLY 30K HDN	RR219769	Yes (pdf)
0200301_BOM	A	Production BOM - 0200301 - ACLP-IS 15 X 15 BASE ASSEMBLY HDN	RR219769	Yes (pdf)
0200301	A	ACLP-IS 15 X 15 BASE ASSEMBLY HDN	RR219769	Yes (pdf)
0200387_BOM	A	AC60-LP-IS Circuitry Assy	RR227073	Yes (pdf)
0200414_BOM	A	BOM - ACLP-IS 15X15 Base Assembly 15K	RR231097	Yes (xml)
0200414	A	ACLP-IS 15X15 Base Assembly 15K	RR231097	Yes (pdf)
140067-IS_BOM	C	AC10LP-DW-IS LOW PROFILE RFX PLATFORM SCALE (10K)	RR208195	Yes (xml)
140069-IS_BOM	D	AC30LP-DW LOW PRO PLTFM SCALE	RR208195	Yes (xml)
140296-IS_BOM	E	AC10LP 15X15 10K LOW PRO SCALE	RR208195	Yes (excel15book)
144008_BOM	D	AC60-LP-IS SCALE	RR208195	Yes (xml)
144008	D	AC60-LP IS SCALE	RR208195	Yes (pdf)
144019_BOM	C	AC30-LP-DW-IS PLATFORM SCALE	RR208195	Yes (xml)
144019	C	AC30-LP-DW-IS PLATFORM SCALE	RR208195	Yes (pdf)
144020_BOM	C	AC15-LP-IS PLATFORM SCALE (10K)	RR208195	Yes (xml)
144020	C	AC15-LP-IS PLATFORM SCALE (10K)	RR208195	Yes (pdf)
144021_BOM	C	AC40-LP-IS PLATFORM SCALE (30K)	RR208195	Yes (xml)
144021	C	AC40-LP-IS PLATFORM SCALE (30K)	RR208195	Yes (pdf)
144036_BOM	C	AC10-LP DW LOW PROFILE RFX PLATFORM SCALE (10K)	RR208195	Yes (xml)
144054_BOM	A	Production BOM - 144054 - AC40-LP-IS PLATFORM SCALE (30K) HDN	RR219769	Yes (pdf)
144054	A	AC40-LP-IS PLATFORM SCALE (30K) HDN	RR219769	Yes (pdf)
144055_BOM	A	Production BOM - 144055 - AC15-LP-IS PLATFORM SCALE (10K) HDN	RR219769	Yes (pdf)
144055	A	144055 - AC15-LP-IS PLATFORM SCALE (10K) HDN	RR219769	Yes (pdf)
144062	A	AC15-LP-IS Platform Scale (15K)	RR231097	Yes (pdf)
144063_BOM	A	144063 - AC60-LP RFX Platform Scale 70K Cap	RR227073	Yes (pdf)
144063	A	144063 - AC60-LP RFX Platform Scale 70K Cap	RR227073	Yes (pdf)
145004_BOM	A	AC30-60F-IS SCALE ASSEMBLY GRAY	3052103	Yes (xml)
145004	A	AC30-60F-IS SCALE ASSEMBLY GRAY	3052103	Yes (pdf)
145010_BOM	A	AC30-60-IS PLATFORM SCALE	3052103	Yes (xml)
145010	A	AC30-60-IS PLATFORM SCALE	3052103	Yes (pdf)
145026_BOM	A	Production BOM - 145026 - AC30-60-IS (50K) HYD 10LB	RR219769	Yes (pdf)
145026	A	AC30-60-IS (50K) HYD 10LB.pdf	RR219769	Yes (pdf)
145027_BOM	A	Production BOM - 145027 - AC30-60-IS (30K) HYD 5LB	RR219769	Yes (pdf)
145027	A	145027 - AC30-60-IS (30K) HYD 5LB	RR219769	Yes (pdf)
145028_BOM	A	Production BOM - 145028 - AC30-60-IS (10K) HYD 2LB	RR219769	Yes (pdf)
145028	A	145028 - AC30-60-IS (10K) HYD 2LB	RR219769	Yes (pdf)
145029_BOM	A	Production BOM - 145029 - AC30-60-IS (5K) HYD 2LB	RR219769	Yes (pdf)
145029	A	145029 - AC30-60-IS (5K) HYD 2LB	RR219769	Yes (pdf)
145030_BOM	A	Production BOM - 145030 - AC30-60-IS (60K) HYD 10LB	RR219769	Yes (pdf)
145030	A	AC30-60-IS (60K) HYD 10LB	RR219769	Yes (pdf)
2505546	D	CE/EX label for ACXX-LP-IS, AC30-60-IS, AC30-60F-IS	RR231097	Yes (pdf)
2505547	A	BATTERY ORIENTATION LABEL FOR AC1-25 / AC15-LP IS	3052103	Yes (pdf)
2505548	D	WARNING LABEL FOR AC1-25 IS / AC15-LP IS	3052103	Yes (pdf)
2505556	A	PRODUCT MODEL AND SERIAL NUMBER LABEL	3052103	Yes (pdf)
2505557	D	WARNING LABEL FOR AC30-60-IS / AC30-60F-IS	3052103	Yes (pdf)
2505666	A	AC60-LP-IS Inserts	RR227073	Yes (pdf)

270065_PCB	B	TILT PRINTED CIRCUIT BOARD	3052103	Yes (pdf)
270065	B	TILT_SCHEMATIC	3052103	Yes (pdf)
270088_PCB	3	AD REV E PRINTED CIRCUIT BOARD	3052103	Yes (pdf)
2703019_PCB	1C	PROTECTIVE INTERFACE Rev A PRINTED CIRCUIT BOARD	3052103	Yes (pdf)
2703019	A	PROTECTIVE INTERFACE REV A_SCHEMATIC	3052103	Yes (pdf)
501298	D	AC125/LP600/CW250 KEYPAD PROTECTOR	RR215002	Yes (pdf)
503146_BOM	E	AC3060-IS PLATFORM THREAD CHASE	RR231097	Yes (xml)
504995_BOM	C	Production BOM - 504995 - AC3060 35K-80K HYD WIRELESS ASSEMBLY	RR219769	Yes (pdf)
504995	C	504995 - AC3060 35K-80K HYD WIRELESS ASSEMBLY	RR219769	Yes (pdf)
505415_BOM	D	AC3060 BASE	RR208195	Yes (xml)
5201597_BOM	D	AC60LP PLATFORM	RR205062	Yes (xml)
5201597	D	AC60LP PLATFORM	RR208195	Yes (pdf)
5201604_BOM	F	AC60LP BASE	RR205062	Yes (xml)
5201604	G	AC3060 NEX GEN BASE	RR224853	Yes (pdf)
5201605_BOM	E	AC60-LP LOW PRO ASSEMBLY	RR208195	Yes (xml)
5201605	E	AC3060 NEX GEN SCALE ASSEMBLY	RR208195	Yes (pdf)
5201710	B	AC3060 KEYPAD SUPPORT	3052103	Yes (pdf)
5201712	C	AC3060 KEYPAD PROTECTOR	RR219769	Yes (pdf)
5201714	C	AC3060 KEYPAD GASKET	RR227073	Yes (pdf)
5201716	B	AC3060 BATTERY COVER	3052103	Yes (pdf)
5202077	B	AC30-60F-IS-BASIC ASSEMBLY 60K GRAY	RR231097	Yes (pdf)
5202146	A	AC30-IS BATTERY PROTECTIVE TUBE	3052103	Yes (pdf)
550230_BOM	A	AC3060 ANGLE SENSOR CABLE	3052103	Yes (xml)
603215	C	TESTED LP STEEL LOADCELL	RR223425	Yes (pdf)
6033232	D	LOADCELL DOUBLE END SHEAR 15K	RR219769	Yes (pdf)
7005070	L	AC60LP-IS USER MANUAL	RR231097	Yes (pdf)
7005073	K	AC10LP-IS, AC15LP-IS PLATFORM SCALE OPERATION/CALIBRATION MANUAL	RR231097	Yes (pdf)
7005074	L	AC20LP-IS, AC40LP-IS, ACLP-IS, ACLP-DW-IS PLATFORM SCALE OPERATION/CALIBRATION MANUAL	RR231097	Yes (pdf)
7005085	K	AC30-60-IS & AC30-60F-IS PLATFORM SCALES OPERATIONS MANUAL	RR231097	Yes (pdf)
750517	B	AD REV E CONTROL PANEL HARNESS	3052103	Yes (pdf)
750687	B	AC3060 ANGLE HARNESS	3052103	Yes (pdf)
7510278_BOM	D	PROTECTIVE INTERFACE	3052103	Yes (pdf)
7510279	A	AC60-LP-IS POWER/COM HARNESS	3052103	Yes (pdf)
7510280	D	Assembly Instructions: AC60-LP-IS Circuitry Assy	RR227073	Yes (pdf)
7510287	B	AC30-60 SYSTEM BLOCK DIAGRAM	3052103	Yes (pdf)
7510292	B	AC10/15-LP-IS SYSTEM BLOCK DIAGRAM	3052103	Yes (pdf)
7510293	B	AC40-LP-IS SYSTEM BLOCK DIAGRAM	3052103	Yes (pdf)
7510294	B	AC30-60-IS SYSTEM BLOCK DIAGRAM	3052103	Yes (pdf)
7510326	B	AC30-60-F-IS SYSTEM BLOCK DIAGRAM	3052103	Yes (pdf)
7510374_BOM	C	AC6CH-IS BOARD	3052103	Yes (excel8book)
7510375	B	ACXX-LP-IS & AC30-60-IS SYSTEM INSTALLATION	3052103	Yes (pdf)
7510378	A	AD REV E, IS VERSION_SCHEMATIC	3052103	Yes (pdf)
7510383	C	AC6CH-IS CONFORMAL COAT	RR208195	Yes (pdf)