



IECEX Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification System for Explosive Atmospheres

for rules and details of the IECEx Scheme visit www.iecex.com

UNIT VERIFICATION

Certificate No.: **IECEX SIM 24.0002** Page 1 of 3 [Certificate history:](#)
Status: **Current** Issue No: 0
Date of Issue: 2024-06-03
Applicant: **Pacific Data Systems Australia Pty Ltd**
27 Hi-Tech Court
EIGHT MILE PLAINS QLD 4113
Australia
Equipment: **Kestrel Weather Meter 3500-IS**
Serial number(s) or Unique Identification: **Serial numbers as listed in the annex**
Type of Protection: **Intrinsic Safety "i"**
Marking: **Ex ia I IP55**

Approved for issue on behalf of the IECEx
Certification Body:

Ahmad Abdullah

Position:

Senior Certification and Assessment Officer

Signature:
(for printed version)

Date:
(for printed version)

3 June 2024

1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting www.iecex.com or use of this QR Code.



Certificate issued by:

Safety in Mines Testing and Research Station (Simtars)
2 Robert Smith Street, REDBANK QLD 4301
Australia

Simtars



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Date of issue: 2024-06-03

Issue No: 0

Manufacturer: **Nielsen-Kellerman Inc**
21 Creek Circle
BOOTHWYN PA 19061
United States of America

Manufacturing locations: **Nielsen-Kellerman Inc**
21 Creek Circle
BOOTHWYN PA 19061
United States of America

This Unit verification certificate is issued as verification that the Apparatus identified on page 1, was assessed and tested and found to comply with the IEC Standard list below. This certificate is granted subject to the conditions as set out in IECEX Scheme Rules, IECEX 02 and Operational Documents as amended.

STANDARDS :

The equipment and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards

[IEC 60079-0:2011](#) Explosive atmospheres - Part 0: General requirements
Edition:6.0

[IEC 60079-11:2011](#) Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"
Edition:6.0

This Certificate **does not** indicate compliance with safety and performance requirements other than those expressly included in the Standards listed above.

TEST & ASSESSMENT REPORTS:

A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in:

Test Report:

[AU/SIM/ExTR24.0002/00](#)

Quality Assessment Report:

As this is a Unit Verification Certificate, no QAR is applicable as this certificate is specific to the items listed by serial number or other unique identification.



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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

The Kestrel 3500-IS Weather Meter is a hand held instrument used for measuring a range of environmental conditions, such as wind speed, relative humidity, temperature and barometric pressure.

The equipment is powered by a single 3 V lithium cell and does not facilitate the connection of external circuits (Permitted battery type: CR2032 SONY or PANASONIC).

The enclosure provides a degree of protection of IP55.

SPECIFIC CONDITIONS OF USE: NO

Annex:

[IECEX SIM 24.0002-0 Kestrel 3500-IS Annex.pdf](#)



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Manufacturer's documents:

Drawing No	Sheets	Subject	Rev.	Date
001-NK-MAIN-ASSEMBLY- .ASM	1	Kestrel 1000-3500 Assembly	-	05-11-2017
K3500	2	Kestrel 3500 Electronic Components Parts List	-	July 15, 2019
0835-SIM	2	Indented Bill Of Material Report	002	6/17/2019
463013	6	NK3500 SIM	1I	-
NK 453013	3	KESTREL 3500 PCB	1H	5-7-2019
NK PART # 518325	6	1-CASE-FRONT	24	03-20-17
NK PART # 581335	4	1-CASE-REAR	22	06-01-15
NK PART # 8010	2	KESTREL IMPELLER	04	01/21/13
NK PART # 8009	1	THREADED-BEARING	7	11/13/2009
NK PART # 8007	1	CAGE-REAR	11	07-21-2010
NK PART # 8006	1	CAGE-FRONT	10	06-14-2010
NK PART # 528345	3	1-BATTERY-DOOR	12	JUN 01 2015
023N40	1	-023 40 Durometer NBR (023N40)	-	8/6/12
NK PART # 518355	2	COVER, K3500	11	06-01-2015
NK PART # 8305	2	1-KEYPAD-ASSEMBLY	2	08/27/2009
SEK-USA-20120315	1	O-RING	-	2012/3/15
548370-3500	1	Lens, Printed 3500	6	04/16/2019
NK PART #: 808413	1	Label, Back, Simtars 3500	12	02/20/24
NK PART # 548370	1	1-LENS	4	08-28-12
NK PART # 538227	1	HOUSING_RH_SENSORS	04	2017-09-14

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Serial numbers of Electrical Apparatus covered by this certificate:

Serial No.				
2855318	2940919	2940989	2941195	2941256
2940860	2940930	2940990	2941196	2941257
2940861	2940931	2940991	2941197	2941258
2940862	2940932	2940992	2941198	2941259
2940863	2940933	2940993	2941199	2941260
2940864	2940934	2940994	2941200	2941261
2940865	2940935	2940995	2941201	2941262
2940866	2940936	2940996	2941202	2941263
2940867	2940937	2940997	2941203	2941264
2940868	2940938	2940998	2941204	2941265
2940869	2940939	2940999	2941205	2941266
2940870	2940940	2941000	2941206	2941267
2940871	2940941	2941001	2941207	2941268
2940872	2940942	2941002	2941208	2941269
2940873	2940943	2941003	2941209	2941270
2940874	2940944	2941004	2941210	2941271
2940875	2940945	2941005	2941211	2941272
2940876	2940946	2941006	2941212	2941273
2940877	2940947	2941007	2941213	2941274
2940878	2940948	2941008	2941214	2941275
2940879	2940949	2941009	2941215	2941276
2940880	2940950	2941010	2941216	2941277
2940881	2940951	2941011	2941217	2941278
2940882	2940952	2941012	2941218	2941279
2940883	2940953	2941013	2941219	2941280
2940884	2940954	2941014	2941221	2941281
2940885	2940955	2941015	2941222	2941282
2940886	2940956	2941016	2941223	2941283
2940887	2940957	2941017	2941224	2941284
2940888	2940958	2941018	2941225	2941285
2940889	2940959	2941019	2941226	2941286
2940890	2940960	2941166	2941227	2941287

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Serial No.				
2940891	2940961	2941167	2941228	2941288
2940892	2940962	2941168	2941229	2941289
2940893	2940963	2941169	2941230	2941290
2940894	2940964	2941170	2941231	2941291
2940895	2940965	2941171	2941232	2941292
2940896	2940966	2941172	2941233	2941293
2940897	2940967	2941173	2941234	2941294
2940898	2940968	2941174	2941235	2941295
2940899	2940969	2941175	2941236	2941296
2940900	2940970	2941176	2941237	2941297
2940901	2940971	2941177	2941238	2941298
2940902	2940972	2941178	2941239	2941299
2940903	2940973	2941179	2941240	2941300
2940904	2940974	2941180	2941241	2941301
2940905	2940975	2941181	2941242	2941302
2940906	2940976	2941182	2941243	2941303
2940907	2940977	2941183	2941244	2941304
2940908	2940978	2941184	2941245	2941305
2940909	2940979	2941185	2941246	2941306
2940910	2940980	2941186	2941247	2941307
2940911	2940981	2941187	2941248	2941308
2940912	2940982	2941188	2941249	2941309
2940913	2940983	2941189	2941250	2941310
2940914	2940984	2941190	2941251	2941311
2940915	2940985	2941191	2941252	2941312
2940916	2940986	2941192	2941253	2941313
2940917	2940987	2941193	2941254	2941314
2940918	2940988	2941194	2941255	2941315

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