

1. Approving Civil Aviation
Authority/Country:

2.

FAA/United States

AUTHORIZED RELEASE CERTIFICATE

FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG

3. Form Tracking Number:

20230012324793Y14
8011501685-10

4. Organization Name and Address:

Honeywell International Inc.
1720 E. Grant Street
Phoenix, Arizona 85034

Production Approval
PQ1222NM

5. Work Order/Contract/Invoice Number:

IPO4820
Page 1 of 1

6. Item: 7. Description:

001 OXYGEN SENSOR

8. Part Number:

3522W000-002

9. Quantity:

10

10. Serial Number:

12328

11. Status / Work:

NEW

12. Remarks:

AIRWORTHINESS APPROVAL.

THIS OXYGEN SENSOR IS A SUBCOMPONENT OF AN FAA PMA ARTICLE.

THIS PMA PART IS NOT A CRITICAL COMPONENT.

Block 10 Serial Number(s): (Continued):

12333, 12322, 12330, 12324, 12325, 12323, 12331, 12326, 12329.

**CERTIFIED TO BE
A TRUE COPY**

I certify that this Tag copy is from the original document that will be retained on file at Killeck Aerospace per our Quality Manual Procedures. This order produces original quantity by 6/12/23
Date: 6/12/23 Signature: [Signature]

13a. Certifies the items identified above were manufactured in conformity to:

- ☒ Approved design data and are in a condition for safe operation.
☐ Non-approved design data specified in Block 12.

13b. Authorized Signature:

[Signature]

13c. Approval/Authorization No.:

ODA-602216-NM

14a. ☒ 14 CFR 43.9 Return to Service ☐ Other regulation specified in Block 12

Certifies that unless otherwise specified in Block 12, the work identified in Block 11 and described in Block 12 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.

14b. Authorized Signature:

14c. Approval/Certificate No.:

13d. Name (Typed or Printed):

Florie McCrone

13e. Date (dd/mm/yyyy):

10/FEB/2023

14d. Name (Typed or Printed):

14e. Date (dd/mm/yyyy):

User / Installer Responsibilities

It is important to understand that the existence of this document alone does not automatically constitute authority to install the aircraft engine/propeller/article. Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts aircraft engine(s)/propeller(s)/article(s) from the airworthiness authority of the country specified in Block 1. Statements in Blocks 13a and 14a do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.

FAA FORM 8130 - 3 (02-14)

NSN : 0052 - 00 - 012 - 9005



1. Approving Competent Authority/Country
CAA
UK

2.

AUTHORISED RELEASE CERTIFICATE

CAA FORM 1

3. Form Tracking Number

20230012293170Y33
9005913430-10

4. Organisation Name and Address:

Honeywell UK Limited t/a Honeywell Aerospace Yeovil
Bunford Lane
Yeovil, Somerset
BA20 2YD

5. Work Order/Contract/Invoice

4209971346-000010

Page 1 of 1

6. Item	7. Description	8. Part No	9. Qty	10. Serial No.	11. Status/Work
001	OXYGEN SENSOR	3522M000-002	10	12322 See Continuation	NEW

12. Remarks:

RELEASE DOCUMENT : DDP NO 3522W-002 ISSUE 001
CUSTOMER SPEC : SRD 04-72900 ISSUE 4
RELEASED FOR FLIGHT, IN ACC. WITH THE RELEASE DOCUMENTATION
LIMITATIONS FOR USE : NONE
THIS DOCUMENT HAS BEEN ISSUED ACCORDING TO AN APPROVED COMPUTER
GENERATED SIGNATURE PROCEDURE
10. Serial/Batch Number(s) (Continued):
12323, 12324, 12325, 12326, 12328, 12329, 12330, 12331, 12333.

HONEYWELL INC. TRUE COPY STATEMENT
Honeywell certifies that this is a true copy of the authorized release certificate. The original authorized release certificate received by our facility is maintained on file pursuant to our document retention standards. Refer to "block 3" of this true copy for the original certificate tracking number.
The number of parts being shipped under this certificate is 1 each.
Quality Manager Doug Dush
Date FEB 8 2023

13a. Certifies that the items identified above were manufactured in conformity to:

- ☒ Approved design data and are in a condition for safe operation
☐ Non-approved design data specified in block 12

14a. ☐ Part - 145.A.50 Release to Service ☐ Other regulation specified in Block 12

Certifies that unless otherwise specified in block 12, the work identified in Block 11 and described in Block 12, was accomplished in accordance with Part-145 and in respect to that work the items are considered ready for release to service.

13b. Authorised Signature

D. Norman

13c. Approval/Authorisation Number

UK.21G.2542

14b. Authorised Signature

14c. Certificate/Approval Ref. No

13d. Name

Darrell Norman

Electronic signature on file

13e. Date (dd mmm yyyy)

06/FEB/2023

14d. Name

14e. Date (dd mmm yyyy)

USER/INSTALLER RESPONSIBILITIES

This certificate does not automatically constitute authority to install.

Where the user/installer performs work in accordance with regulation of an airworthiness authority different than the airworthiness authority specified in block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts items from the airworthiness authority specified in block 1.

Statements in blocks 13a and 14a do not constitute installation certification. In all cases aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.

Acceptance Test Procedure

TABLE 4: TEST RESULT SHEETS

PART NUMBER :	SERIAL NUMBER : 12326	DATE OF TEST : 03 FEB 2023	OPERATOR : <div>ATN 162</div>	Table 4 Sheet 1 of 3
3522W000-002				
TEST EQUIPMENT	TEST REFERENCES	MAKE AND MODEL NO.	SERIAL NO.	DUE DATE OF CALIBRATION
2.1.1 ATE	4.2, 4.3, 4.4, 4.5	6340K000-001 Software Version: 1510U000	CSTE 9261 (DELETE AS GSTE 9267 APPROPRIATE)	04 JAN 2024 14 DEC 2023 <div>ATN 162</div>
2.1.5 Gas Source	3.4, 3.5, 3.7, 4.2, 4.3, 4.5	PT13282	N/A	N/A
2.1.7 Proof Pressure & Flow rig	3.1	PT13226 PT668 PT13258	PRRT 9157 PRPS 9154 N/A	03 MAR 2023 23 NOV 2023 N/A
2.1.4 Timer	3.2, 3.4, 3.5, 3.6		CSCW 25017	08 JUN 2024
2.1.8 Temperature Chamber	3.5, 4.3	CSEC 9080 (DELETE AS GSEG 9081 APPROPRIATE)	CSEC 9080 GSEC 9081	20 JUL 2023 25 JAN 2023 <div>ATN 162</div>
2.1.9 Vibration Fixture	3.6, 4.4	ACT3484	N/A	N/A
2.1.2 MTE	3.6, 4.4	6342K000-001	CSTS 9100 CSTS 9102	12 AUG 2023 07 APR 2023
2.1.12 Spreadsheet Program	3.5	3522W000-002.xls	Revision No: Rev 002	
2.1.13 Feeler Gauge	3.7.6		STFG 296247	09 MAR 2023
2.1.14 ICY Fixture	3.7.7	GEO 6973	STAG 10473	21 NOV 2023
2.1.17 TVS Test Box	3.3	6342K200	CSTS 9266	15 JUL 2023
FOLLOWING TO BE RECORDED ONLY IF TESTING MANUALLY:				
2.1.2 MTE	3.4, 3.5, 3.6, 3.7, 4.4,	6342K000-001		
2.1.3 Ammeter as required	3.4, 3.5, 3.6, 3.7, 4.4			
2.1.6 Pressure Indicator	3.1, 3.4, 3.5, 3.6, 3.7, 4.4			
2.1.10 PC Monitor	3.4, 3.5, 3.6, 3.7, 4.4	1435U000	VERSION No. <div>ATN 162</div>	
2.1.11 Installation Media	3.5	2145P000	ISSUE:	
2.1.15 PSU1	3.4, 3.5, 3.6, 3.7, 4.4			
2.1.16 PSU 2	3.4, 3.5, 3.6, 3.7, 4.4			

Honeywell Aerospace Yeovil

No. 3522WATP

Page 47

Issue 14

Acceptance Test Procedure

PART NUMBER : 3522W000-002	SERIAL NUMBER : 12326	DATE OF TEST : 01/02/2023	OPERATOR : <div>ATN 90</div>	Table 4 Sheet 2 of 3
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3.1 Pneumatic tests

TEST PARA	PARAMETER	UNITS	MIN VALUE	MAX VALUE	TEST RESULT	TESTER STAMP	TEST EQUIPMENT	CALIBRATION DATE
3.1.1	Flame arrestor/filter	liters/min	7	19	17.04	<div>ATN 90</div>	<div>ATN 90</div>	Calibration recorded on sheet 1
3.1.2	Proof	psig	140	160	150.45	<div>ATN 90</div>	<div>ATN 90</div>	Test equipment recorded on sheet 1
3.1.3	P1	psi	140	160	151.55	<div>ATN 90</div>	<div>ATN 90</div>	Test equipment recorded on sheet 1
3.1.3	P2	psi	140	160	150.81	<div>ATN 90</div>	<div>ATN 90</div>	Test equipment recorded on sheet 1
3.1.3	Leak P1 - P2	psi	0	1.5	74	<div>ATN 90</div>	<div>ATN 90</div>	Calibration recorded on sheet 1
3.1.4	Flow control orifice	cc/min	550	750	733	<div>ATN 90</div>	<div>ATN 90</div>	

3.2 Bonding and Isolation

3.2.1	Isolation	GΩ	1	-	3	<div>ATN 90</div>	CSIT23938	11 Aug 2023
3.2.2	Rib Mounting Point to other Rib Mounting Point	milliohms			maximum value	<div>ATN 90</div>		
3.2.2	Rib Mounting Point to Connector Shell PL1	milliohms				<div>ATN 90</div>		
3.2.2	Rib Mounting Point to Mounting Pad(1,2,3,4)	milliohms	0	4	0.90	<div>ATN 90</div>	CSIT10313	13 SEP 2023
3.2.2	Rib Mounting Point to Cover	milliohms				<div>ATN 90</div>		
3.2.2	Rib Mounting Point to Connector PL1 pin C	milliohms	0	10	5.51	<div>ATN 90</div>		

3.3 Transient Voltage Suppressor

3.3.2	Pin G return					<div>ATN 90</div>	Test equipment recorded on sheet 1	Calibration recorded on sheet 1
3.3.2	Pin G +ve							
3.3.2	Pin F return							
3.3.2	Pin E return							
3.3.2	Pin E +ve							
3.3.2	Pin D return							
3.3.2	Pin D +ve							

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Honeywell Aerospace Yeovil

No. 3522WATP

Page 48

Issue 14

Acceptance Test Procedure

PART NUMBER : 3522W000-002	SERIAL NUMBER : 12326	DATE OF TEST : 03 FEB 2023	OPERATOR : <div>ATN 162</div>	Table 4 Sheet 3 of 3
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4.2 Supply Tests - Automatic test

4.3 Calibration - Automatic test

3.6 Vibration

TEST PARA	PARAMETER	UNITS	MIN VALUE	MAX VALUE	TEST RESULT	TESTER STAMP	TEST EQUIPMENT	CALIBRATION DATE
3.6.1	Warming current	mA	22.4	22.6	22.51	<div>ATN 162</div>	Test equipment recorded on sheet 1	Calibration recorded on sheet 1
3.6.1	Warming Time	Seconds	n/a	300	<300	<div>ATN 162</div>	Test equipment recorded on sheet 1	Calibration recorded on sheet 1
3.6.2	Pressure signal	mA	3.9	4.5	3.99	<div>ATN 162</div>	Test equipment recorded on sheet 1	Calibration recorded on sheet 1
3.6.2	%O2 signal	mA	17.0	20.1	20.00	<div>ATN 162</div>	Test equipment recorded on sheet 1	Calibration recorded on sheet 1

4.5 Performance test (includes BIT test results) - Automatic test

Performance test Results - Automatic test - Summary

TEST PARA	PARAMETER	UNITS	MIN VALUE	MAX VALUE	TEST RESULT	TESTER STAMP	TEST EQUIPMENT	CALIBRATION DATE
4.5	Performance file, full path & file name	L:\ATE Test Results(QA Archive)\ATE\OBIGGS\3522W000\RESULTS\002\12326-P-230202-165458.XLS						
3.7.4 or 4.5	Pressure signal	mbar	-62	+62	-8.30	<div>ATN 162</div>	Test equipment recorded on sheet 1	Test equipment recorded on sheet 1
3.7.4 or 4.5	%O2 signal	%	-0.5	+0.5	-0.16	<div>ATN 162</div>	Test equipment recorded on sheet 1	Test equipment recorded on sheet 1
3.7.6	Feeler gauge test	inch	0	0.0015	PASS	<div>ATN 162</div>	Test equipment recorded on sheet 1	Test equipment recorded on sheet 1
3.7.7	Interchangeability (ICY) test fixture	OK/not OK	OK	OK	OK	<div>ATN 162</div>	Test equipment recorded on sheet 1	Test equipment recorded on sheet 1

Final Unit tests

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