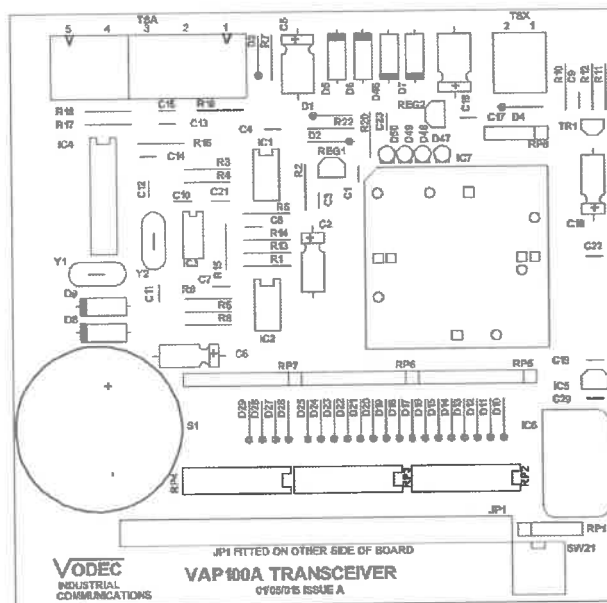
	Quality Inspection	Revision	Date
	QAI0005	01	03/04/2019
VAP100A/E Quality Inspection			

Quality Inspection Equipment	Anti Static work bench, wrist strap, magnifier and appropriate lighting
Serial Number	RN/519223/1219/AD

Please refer to the Ex Manual for guidance on the location of archives and logs.
If the DUT fails the inspection at any point, please proceed to the Record Keeping section.



Paperwork checks

1.	Confirm which type of board is being inspected (VAP100A or E)	VAP100E
2.	Confirm product labelling (VAP100A or E) matches the purchase order	YES
3.	Ensure supplier's paperwork is correctly located in the Ex Area.	YES
4.	Check for the UL rating mark	YES
5.	Check for manufacturer's serial number on the board and cross reference with the supplier paperwork and ensure it is uniquely entered into the product traceability log.	YES
6.	Check Bill of Materials revision against the purchase order	YES
6.1	Check Bill of Materials revision against the released Bill of Materials folder (any difference needs to be raised and clarified)	YES

Labels and Coating

7.	Ensure Manufacturer's Ex Inspected labels have been applied.	YES
8.	Inspect conformal coating top and bottom and ensure TSA, TSX, and IC7 are not coated.	YES

PSC VODEC	Quality Inspection	Revision	Date
	QAI0005	01	03/04/2019
VAP100A/E Quality Inspection			

General inspection of the components (top and bottom)		
9.	Ensure retrofit capacitor is present on the underside of the board.	NO
10.	Check orientation	YES
11.	Check alignment	YES
12.	Check quality of solder joints	YES
13.	Ensure JP1 is correctly assembled on the underside of the board	YES
14.	All other components (except the retrofit capacitor) are on the topside of the board.	YES
15.	Specific inspection of Y1 and Y2 to ensure the markings of these components correlate to the part numbers specified in the exact Bill of Materials (VAP100A differs from VAP100E)	YES
16.	Verify that not fitted components are C4, D1, D5, D6, D7, D46, REG1, and S1. All other components should be present.	YES
Record Keeping		
17.	Upon successful completion of inspection, apply the blue dot. If the DUT failed the inspection at any point, apply the red dot in addition to the blue dot.	YES
18.	Completed Quality Inspection is to be signed, dated, scanned and archived in the Ex Area and product traceability log to be updated with the result (this is to include any failures).	Yes

Upon completion of successful QI of the item, appropriate test procedure TP0054 will be undertaken before the item can be released to stock.

Inspected by (Signature):

Bmt

(Print Name):

B. Hussain

Date:

20/10/20

PSC VODEC	Test Schedule	Revision	Date
	TP0054	02	11/04/2019
Vodec Product	VAP100A/D/E Pre-amplifier Line Driver Unit		

Please refer to the Ex Manual (located G:\EX Area\Process Documents\Ex Manual for the locations of controlled documents and logs.

Note: To be completed after QAI0005. This is the goods inwards functional test prior to committal to stock.

Circuit boards carry static sensitive devices, ensure that precautions are taken during handling and assembly of the PCB.

Test Equipment	Antistatic work wear, and test rack
Serial Number	RN/519223/1219/AD

Ensure that QAI0005 has been completed prior to starting this test schedule. If at any point the Device Under Test (DUT) fails, proceed to section 2.0.

1.0 Setup

1.1 Fit the DUT to Test System VAP30

VAP100E CS: C35B

VAP100A CS: 9CCC

VAP100D CS: 85C4

VAP100D-20 CS: 86B7

The above check sums are default standards. Others are permissible, but need to be entered here.

C35B

1.2 Using Test System perform a full operational test on the VAP30 fitted with the unit under test

NOTE: The VAP100A/D/E MAY BE TESTED ON THE HOST SYSTEM

1.3 This test must include:

Routine Speech by depressing 'Talk'

☒

Routine Speech to individual zones

☒

Important Message Speech

☒

Alarm 3 Initiation

☒

Alarm 2 Initiation


☒

Alarm 1 Initiation

☒

During alarm, rotate the hex switch to ensure standard alarm tones can be changed (ie testing the hex switch).

☒

	Test Schedule	Revision	Date
	TP0054	02	11/04/2019
Vodec Product	VAP100A/D/E Pre-amplifier Line Driver Unit		

Alarm Cancel

☒

Alarm Attenuate

☒

Clarity and level of Speech

☒

All relevant LED's

☒

Lamp Test

☒

2.0 Results and Documentation

2.1 Affix 'blue dot' onto the top side of the PCB adjacent to the serial number

☐

2.2 If the DUT failed at any point in this procedure, also affix a 'red dot' to the top side of the PCB.

☒
☐

Tested by (signature):

B. Hussain

(Print Name):

B. Hussain

Date:

28/10/20

Once test has been completed and signed, please scan and archive the test report in the Ex area (refer to the Ex manual for locations). Update the traceability log with the results of this test.