

Non-Condensing Conditions for VSA Testing

| Non-Condensing Ambient Humidity Limit for Test Temperatures Below 25 °C | | | | | |
|---|------------------------|------------------------|------------------------|------------------------|------------------------|
| Ambient Temperature (°C) | 15 °C Test Temperature | 17 °C Test Temperature | 20 °C Test Temperature | 23 °C Test Temperature | 25 °C Test Temperature |
| 16.0 | 93.8 | 100.0 | 100.0 | 100.0 | 100.0 |
| 17.0 | 88.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 18.0 | 82.6 | 93.9 | 100.0 | 100.0 | 100.0 |
| 19.0 | 77.6 | 88.2 | 100.0 | 100.0 | 100.0 |
| 20.0 | 72.9 | 82.9 | 100.0 | 100.0 | 100.0 |
| 21.0 | 68.6 | 77.9 | 94.0 | 100.0 | 100.0 |
| 22.0 | 64.5 | 73.3 | 88.4 | 100.0 | 100.0 |
| 23.0 | 60.7 | 69.0 | 83.2 | 100.0 | 100.0 |
| 24.0 | 57.1 | 64.9 | 78.4 | 94.1 | 100.0 |
| 25.0 | 53.8 | 61.2 | 73.8 | 88.7 | 100.0 |
| 26.0 | 50.7 | 57.6 | 69.5 | 83.6 | 94.2 |
| 27.0 | 47.8 | 54.3 | 65.6 | 78.8 | 88.8 |
| 28.0 | 45.1 | 51.2 | 61.8 | 74.3 | 83.8 |
| 29.0 | 42.6 | 48.4 | 58.3 | 70.1 | 79.1 |
| 30.0 | 40.2 | 45.6 | 55.1 | 66.2 | 74.6 |
| 31.0 | 37.9 | 43.1 | 52.0 | 62.5 | 70.5 |
| 32.0 | 35.8 | 40.7 | 49.1 | 59.1 | 66.6 |
| 33.0 | 33.9 | 38.5 | 46.4 | 55.8 | 62.9 |
| 34.0 | 32.0 | 36.4 | 43.9 | 52.8 | 59.5 |
| 35.0 | 30.3 | 34.4 | 41.5 | 49.9 | 56.3 |
| 36.0 | 28.7 | 32.6 | 39.3 | 47.2 | 53.3 |
| 37.0 | 27.1 | 30.8 | 37.2 | 44.7 | 50.4 |
| 38.0 | 25.7 | 29.2 | 35.2 | 42.4 | 47.8 |
| 39.0 | 24.4 | 27.7 | 33.4 | 40.1 | 45.3 |
| 40.0 | 23.1 | 26.2 | 31.7 | 38.0 | 42.9 |

This table shows the maximum advisable ambient humidity levels for the ambient room and test temperatures. Staying within these limits prevents condensation in and on the VSA. Operating in humidity and temperature conditions beyond these limits voids the VSA warranty and can damage the instrument. Please contact us if you have any questions or require any additional assistance.

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| 16.0 | 93.8 | 100.0 | 100.0 | 100.0 | 100.0 |
| 17.0 | 88.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 18.0 | 82.6 | 93.9 | 100.0 | 100.0 | 100.0 |
| 19.0 | 77.6 | 88.2 | 100.0 | 100.0 | 100.0 |
| 20.0 | 72.9 | 82.9 | 100.0 | 100.0 | 100.0 |
| 21.0 | 68.6 | 77.9 | 94.0 | 100.0 | 100.0 |
| 22.0 | 64.5 | 73.3 | 88.4 | 100.0 | 100.0 |
| 23.0 | 60.7 | 69.0 | 83.2 | 100.0 | 100.0 |
| 24.0 | 57.1 | 64.9 | 78.4 | 94.1 | 100.0 |
| 25.0 | 53.8 | 61.2 | 73.8 | 88.7 | 100.0 |
| 26.0 | 50.7 | 57.6 | 69.5 | 83.6 | 94.2 |
| 27.0 | 47.8 | 54.3 | 65.6 | 78.8 | 88.8 |
| 28.0 | 45.1 | 51.2 | 61.8 | 74.3 | 83.8 |
| 29.0 | 42.6 | 48.4 | 58.3 | 70.1 | 79.1 |
| 30.0 | 40.2 | 45.6 | 55.1 | 66.2 | 74.6 |
| 31.0 | 37.9 | 43.1 | 52.0 | 62.5 | 70.5 |
| 32.0 | 35.8 | 40.7 | 49.1 | 59.1 | 66.6 |
| 33.0 | 33.9 | 38.5 | 46.4 | 55.8 | 62.9 |
| 34.0 | 32.0 | 36.4 | 43.9 | 52.8 | 59.5 |
| 35.0 | 30.3 | 34.4 | 41.5 | 49.9 | 56.3 |
| 36.0 | 28.7 | 32.6 | 39.3 | 47.2 | 53.3 |
| 37.0 | 27.1 | 30.8 | 37.2 | 44.7 | 50.4 |
| 38.0 | 25.7 | 29.2 | 35.2 | 42.4 | 47.8 |
| 39.0 | 24.4 | 27.7 | 33.4 | 40.1 | 45.3 |
| 40.0 | 23.1 | 26.2 | 31.7 | 38.0 | 42.9 |

This table shows the maximum advisable ambient humidity levels for the ambient room and test temperatures. Staying within these limits prevents condensation in and on the VSA. Operating in humidity and temperature conditions beyond these limits voids the VSA warranty and can damage the instrument. Please contact us if you have any questions or require any additional assistance.

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