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Page 1 of 12
Version : A

TEST REPORT

Company : Getac Technology Corporation
Address : 5F., Building A, No. 209, Sec. 1, Nangang Rd., Nangang Dist., Taipei 11568,
Taiwan R.O.C.
Sample Name : Getac S410 Notebook
Model Name : S410
Date Received : FEB 19, 2021
Date Tested : FEB 19, 2021 ~ FEB 22, 2021

Signed for and on behalf of
DEKRA iST Reliability Services Inc.

Injel Chen

Approver

Injel Chen

Reviewer

Tony Chen

Engineer



1. GENERAL INFORMATION

1.1 DESCRIPTION OF UNIT

Manufacturer : Getac Technology Corporation

Sample name : Getac S410 Notebook

Model name : S410

Test item and sample quantity are shown in below list : (Total of 2 units)

Test item	Sample quantity
Dust test	1 unit
Jetting water test	1 unit

1.2 UNIT OPERATING CONDITION

During operating testing, unit power is on and functioning.

2. DUST TEST

2.1 TEST EQUIPMENT

Model	Serial Number	Calibration Date	Test Location
Vötsch VDT 1000A	59566059640010	MAR 30, 2020	No.19, Puding Road

2.2 LABORATORY AMBIENCE CONDITION

Temperature : 25 °C ± 10 °C

Relative humidity : 50 % ± 25 %

2.3 REFERENCE DOCUMENT

This test method refers to IEC / EN 60529 IP5X (2013) Dust Test Protected.

2.4 TEST CONDITION

Unit is operating.

Dust material : Talcum powder (100% dry fine)

Particle size	Amount (%)
< 5 µm (Diameter)	39.88% ± 5
5 to 10 µm (Diameter)	32.19% ± 5
10 to 20 µm (Diameter)	23.13% ± 5
20 to 44 µm (Diameter)	4.8% ± 5
> 42 µm (Diameter)	0%

Amount of talcum powder : 2 kg/m³ (chamber volume)

Dust density : 2.03 g/cm³

Air direction : Vertically to achieve slowest possible downward settlement

Duration of exposure : 8 hours

2.5 SUMMARY OF TEST

After testing, unit's function was normal.

3. JETTING WATER TEST

3.1 TEST EQUIPMENT

Model	Serial Number	Calibration Date	Test Location
Vötsch VSPT 200-S	59566059660010	FEB 26, 2020	No.19, Puding Road

3.2 LABORATORY AMBIENCE CONDITION

Temperature : 25 °C ± 10 °C

Relative humidity : 50 % ± 25 %

3.3 REFERENCE DOCUMENT

This test method refers to IEC / EN 60529 IPX3 (2013) Jetting Water Test Protected.

3.4 TEST CONDITION

Unit is operating.

Radius of oscillating tube : 400 mm

Spray angle : ±60° from vertical

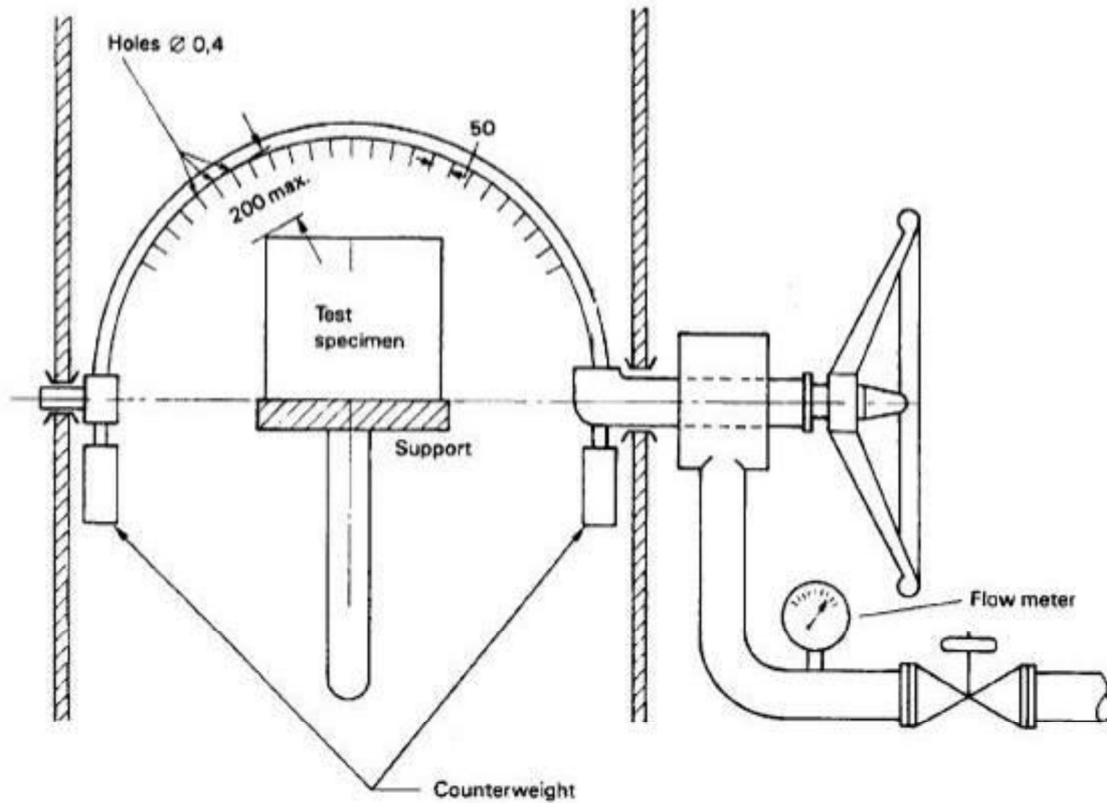
Diameter of nozzle : 0.4 mm

Number of open holes : 16

Mean flow rate per hole : 0.07 l/minute (Total flow rate : 1.1 l/minute)

Duration of test : Put on 5 minutes, then transfer to horizontal 90° and test for another 5 minutes.
(Total of 10 minutes)

Test setup :



3.5 SUMMARY OF TEST

After testing, visual inspection showed that no water permeated into unit (the inner unit was dry) and function was normal.