

복합부식성능평가시험기 (장비사양서)

A. SUMMARY

This machine has a purpose to produce a cycling corrosion test by salt spray, temperature and humidity.

B. FEATURES

1. System must fulfill the test specification such as Renault ECC1(Renault D172028), GMW14872 and ASTM B117.
2. Automatic process for salt spray, dry and humidity phase
3. User can create their test program.
4. **Test data such as temperature, humidity and precipitation amount should save via computer software.**
5. System must be able to be controlled by computer software.
6. User can easily convert test data file to ASCHII and MS Excel file via software.
7. User can save test data such as graph, table and etc via software.
8. Water sealing between hood and test chamber
9. System should comprises quality air-conditioning unit that controls cooling down and heating up of test chamber well.
10. Alarm and safety equipment
11. Automatic water supply for condensed water test climate
12. Touch control system in test equipment should memorize more than 99 programs in touch control system.
13. **Official Certificate from Renault France**

C. CONFIGURATION

1. Test Specimen Bracket for more than 15 standard specimen panels
2. Specimen Holder
3. Quality Air Conditioning Unit
4. Brine Storage Tank: 180 liter or more
5. Desktop computer, control software, Color Printer - 1 set
6. Precipitation collector - 6ea

D. SPECIFICATION

1. Specimen Load: 150 kg or more

2. Performance

(1) Salt Spray Test

1) Temperature range : 5 °K above ambient temperature to +50 °C

(2) Condensed Water Test

1) Temperature range: 5 °K above ambient temperature to +45 °C

2) Temperature deviation ± 1 °K (in time)

(3) Climate Working Range

1) Temperature range : +23 °C ~ +60 °C

2) Temperature deviation : $\leq \pm 2.0$ °K (in time)

3) Humidity range : 20 ~ 98 % R.H.

4) Humidity deviation : $\leq \pm 6$ % R.H. (in time)

5) Dew point rang : +12 ~ +59 °C

(4) Drying/Ventilation

1) Temperature 5 °K above ambient temperature : +60 °C

2) Humidity : ≤ 30 % R.H.

3) Calibration in salt spray test

: +35 °C test space temperature, +49 °C humidifier temperature

4) Calibration in condensed water test : +40 °C test space temperature

5) Calibration in climate test

: +23 °C test space temperature, 50 % R.H. test space humidity

E. REMARK

1. Delivery : Within 16 weeks after receipt of L/C
2. Warranty : 1 year after installation and test run
3. Certificate : Manufacturer's certificate, Certificate according to KOLAS
4. Manual : Operation manual (1), Service manual (1)
5. Contractor should have enough engineer in order to react within 24 hours in case of system failure.
7. Contractor should taker over expense for pre-acceptance test and inspection at maker site for 2 persons.(Include via Renault France)

**Vötsch – Corrosion Climate Alternating Test Chamber
with controlled Climate, Model VSC/KKWT 1000**

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