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ADD: TIANYUAN ROAD 9#, HIGH-TECH ZONE, HEFEI CITY, CHINA
POSTAL CODE: 230088
TEL: +86-551-68105003
FAX: +86-551-65232507
EMAIL: SALES@HKDOWELL.COM

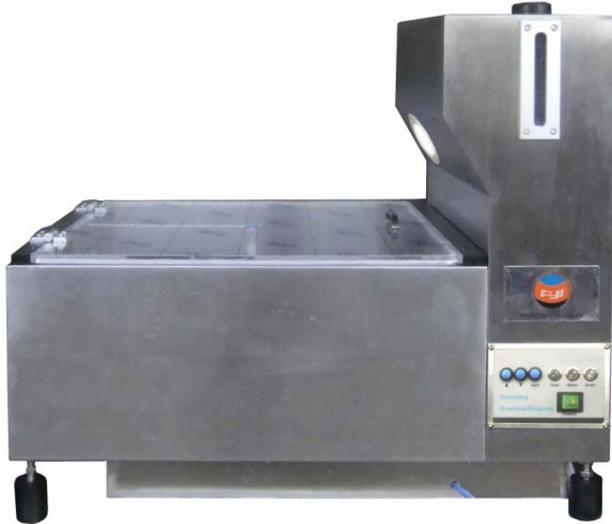
DW259A SWEATING GUARDED HOTPLATE





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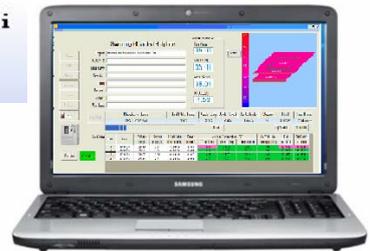
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Test Unit



WiFi



Laptop



Test unit in the chamber



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MODEL NO.:

DW259A

APPLICATION:

DW259A SWEATING GUARDED HOTPLATE is used to simulate the heat and mass transferring process occurs on the surface of human skin. It accurately test the thermal and water-vapor resistance of fabrics, films, coatings, foams and leather including multilayer assemblies used in clothing, quilts, sleeping bags, upholstery and similar textile or textile-like products under steady-state conditions.

RELATED STANDARDS:

STANDARDS	GB/T 11048	ASTM F1868 ASTM D1518	ISO 11092
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Note: this tester can conform to but not limit to the standards above, for more standards conformance, please contact us.

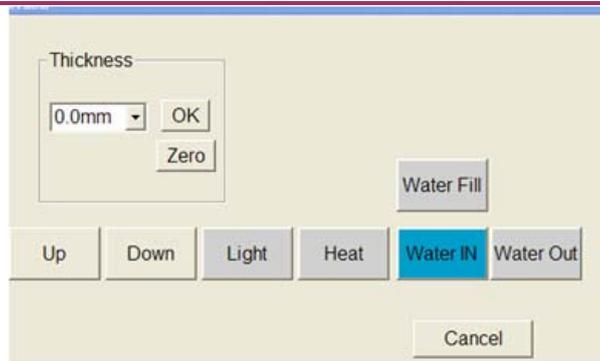
FEATURE:

- The chamber equipped with heater, compressor, blast fan, and air flue to ensure constant temperature and humidity;
- The chamber adopts extra-fine glass wool to ensure good thermal insulation;
- Inner chamber wall made of stainless steel, flat and splendid;
- Integrated design of control system and water supply system, automatically keep the water supply steady without any water leakage;
- High-accuracy lifting system of test plate, it can move to specific location with high accuracy after choose specimen thickness;



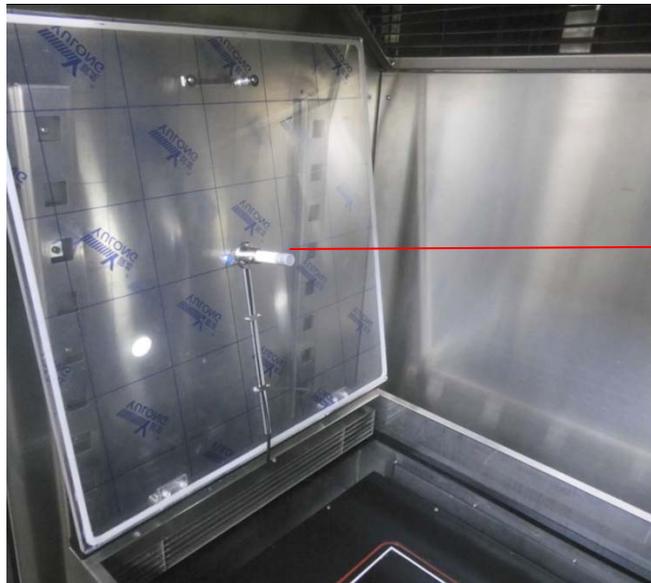
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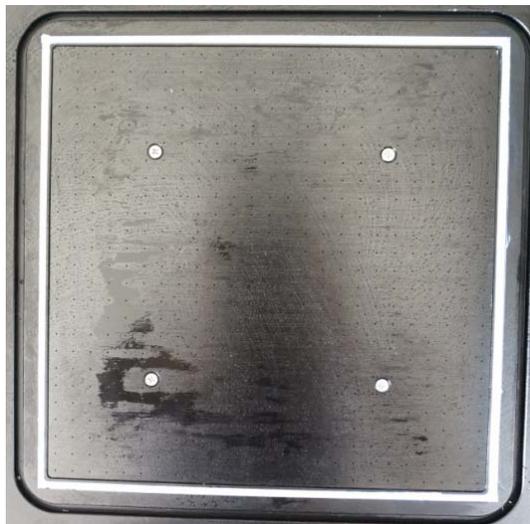
Control interface

- Air speed is continuously adjustable to meet more test standards;



Air speed sensor

- Porous test plate to simulate human skin, easy to clean;



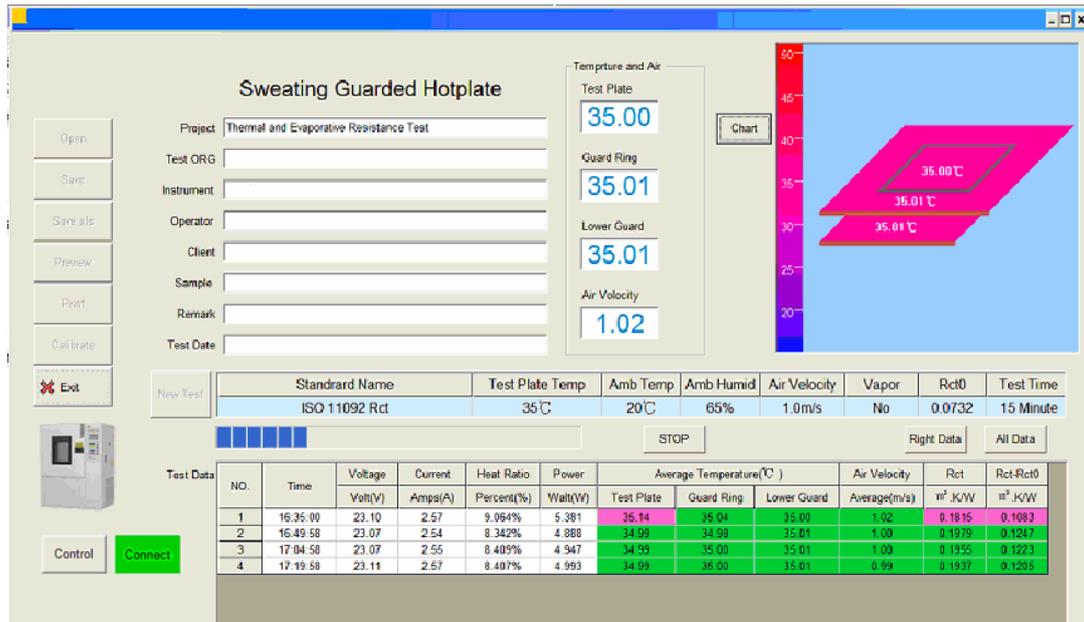
Test plate



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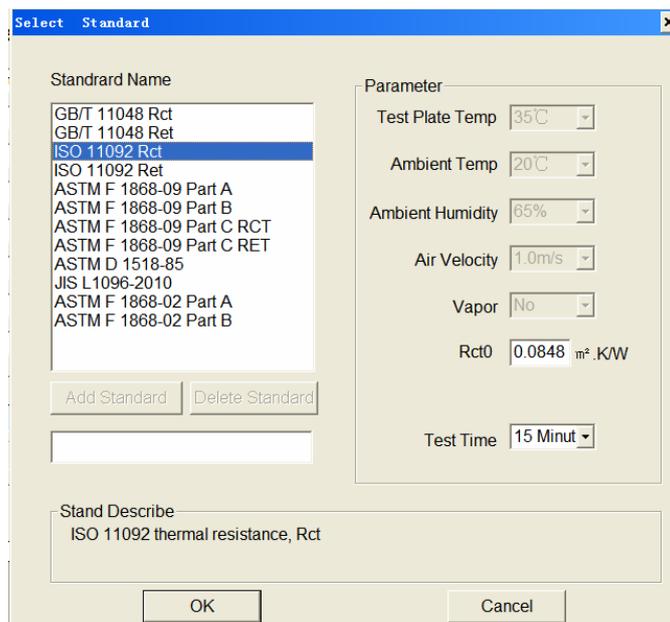
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- LED soft light illuminating system;
- Connection with computer by WIFI, stable data transmission and quick response;
- Stainless steel shell of whole machine ensures long service life;
- User-friendly test software



Main interface

- It supports various test standards, i.e. common standards & customized standards, very convenient to operate.



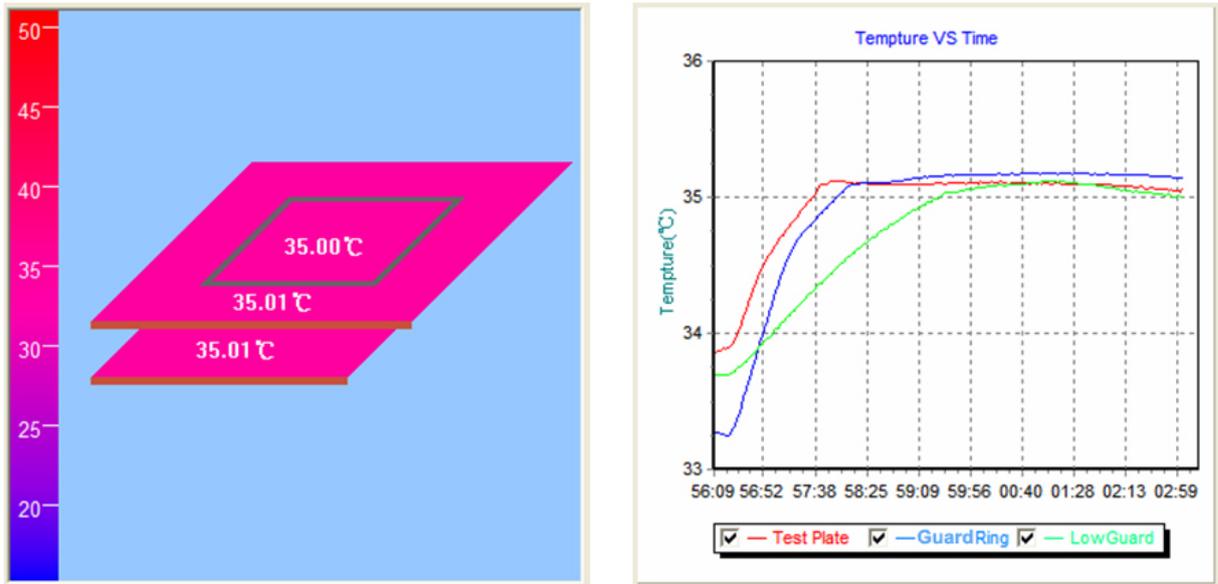
Standard Selection



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- Two modes to display the temperature of test plate, guard ring and lower guard; one is diagram, the other is the temperature-time curve.



Temperature Display

- Test data can be saved as Excel format; Simple and practical design makes it convenient to analyze and print the data.

	A	B	C	D	E	F	G	H	I	J	K
1	SWEATING GUARDED HOT-PLATE									Thermal Resistance Test (RCT)	
2											
3	Project	Thermal Resistance Test-Rct0									
4	Test ORG										
5	Instrument										
6	Operator	Ediwin									
7	Client	Intertek									
8	Sample										
9	Remark	Thermal Resistance Test ,Rct0 test									
10	Test Date	2012-12-21									
11											
12		Standrard Name		Test Plate Temp	Amb Temp	Amb Humidity	Air Velocity	Vapor	Rct0		
13		GB/T 11048 Rct		35°C	20°C	65%	1.0m/s	No	0		
14											
15	NO.	Time	Voltage	Current	Heat Ratio	Power	Average Temperature(°C)			Air Velocity	Rct
16			Voilt(V)	Amps(A)	Percent(%)	Walt(W)	Test Plate	Guard Ring	Lower Guard	Average(m/s)	(m ² .KW)
17	1	16:12:33	23.02	2.40	15.72%	8.683	35.00	35.00	35.00	0.99	0.1115
18	2	16:17:33	23.01	2.40	15.72%	8.681	34.99	35.00	35.00	1.00	0.1114
19	3	16:22:33	23.01	2.40	15.83%	8.744	34.98	35.00	35.00	1.01	0.1105

Test Report



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KEY SPECIFICATION:

● Test item	Thermal resistance, R_{ct}
	Water-vapor resistance, R_{et}
● R_{ct} measuring range	0.000-2.0 $m^2 \cdot K/W$
● R_{ct} resolution	0.0001 $m^2 \cdot K/W$
● R_{et} measuring range	2-1000 $m^2 \cdot Pa/W$
● R_{et} resolution	0.001 $m^2 \cdot Pa/W$
● Test plate temperature	20-50°C, adjustable
● Temperature accuracy	±0.03°C
● Temperature resolution	±0.01°C
● Air speed	0-1.2m/s, adjustable
● Air speed accuracy	±1%
● Test time	3-30min, adjustable
● Test plate lifting range	0-60mm
● Test plate size	254mm*254mm
● Thermal guard ring width	127mm
● Specimen size	500mm*500mm
● Specimen thickness	0-60mm
● Chamber temperature range & accuracy	20-80°C±0.5°C
● Chamber temperature uniformity	±2°C
● Chamber humidity range & accuracy	30% RH~80% RH±2% RH
● Inner dimensions of chamber	1000*1000*1000mm (L*W*H)
● Power supply of chamber	AC380V, 50Hz, 3 phase
● Power supply of test unit	AC220V, 50Hz, 1 phase
● Dimensions	1800×1370×1660mm
● Weight	540kg

STANDARD CONFIGURATION:

No.	Item	Quantity
1.	Chamber	1 set



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2.	Test unit	1 set
3.	Laptop	1 set
4.	Membrane	1 pack (250pcs)
5.	Software	1CD