

<b>model</b>	KS-YW90A
Programmable salt water spray testing machine	

1. Advanced factory, leading technology
2. Reliability and applicability
3. Environmental protection and energy saving
4. Humanization and automation system network management
- 5, timely improve the long-term protection of after-sales service system

**DONGGUAN KESION PRECISION INSTRUMENT CO.,LTD**

# Technical specification parameters

1. product name	Programmable salt water spray testing machine	2.product model	KS-YW90A
3. Reference picture			
4.Sample limit	<p>This test equipment is prohibited :</p> <ul style="list-style-type: none"> <li>Test or storage of flammable, explosive and volatile substance samples</li> <li>Test or storage of corrosive substance samples</li> <li>Test or storage of biological samples</li> <li>Test or storage of strong electromagnetic emission source samples</li> <li>Test and storage of radioactive material samples</li> <li>Test and storage of highly toxic substance samples</li> <li>Test and storage of samples that may produce highly toxic substances during testing or storage</li> </ul>		
<b>5.Volume, size and weight</b>			
5.1Nominal content area	270L without top sloping roof volume		
5.2 Inner box size (mm)	900*600*500 W×H×D (excluding the height of the slanting top) Note: The top slanting top angle is 100°, the slanting top height is 457mm		
5.3 Outer box size (mm)	1410*880*1280 W×H×D		

<b>5.4 Control method</b>	Push Button Type
<b>6. Performance Indicators</b>	
<b>6.1 Test environment conditions</b>	Ambient temperature +25°C, relative humidity ≤85%RH, no specimen in the test chamber (unless otherwise specified)
<b>6.2 Temperature range</b>	Temperature range of test chamber: RT~50°C Air saturated barrel temperature range: RT~63°C
<b>6.3 Temperature control performance</b>	Temperature deviation: ±1.0°C Temperature uniformity: ≤2°C Temperature fluctuation: ±0.5°C
<b>6.4 Heating rate</b>	Test chamber RT→+50°C≤60 min Pressure barrel RT→+63°C≤60 min
<b>6.5 Test conditions</b>	NSS or AASS test temperature 35°C, saturated drum temperature 47°C, spraying time 1min~9999h adjustable; CASS test temperature 50 °C, saturated barrel temperature 63 °C, spraying time 1min ~ 9999h can be adjusted PH value of the solution: NSS test 6.0 ~ 7.0 AASS/CASS test 3.0 ~ 3.1 Spray solution PH value: NSS test 6.5 ~ 7.2 AASS / CASS test 3.1 ~ 3.3 Running time: 1S ~ 9999H can be set arbitrarily Spraying time: 1S ~ 999H can be set arbitrarily; interval cycle: 1S ~ 999H can be set arbitrarily <b>Note: The loss of carbon dioxide in the solution during spraying may cause changes in pH, which can be avoided by the following methods, such as heating the solution to above 35°C before putting it into the test equipment, or using fresh boiling water to prepare the solution to reduce the content of carbon dioxide in the solution, acid test or copper accelerated salt spray test to ensure the pH value of the spray solution, you can adjust the pH value of the configuration potion to 2.8 ~ 3.0 and check whether the solution and / or solute meet the requirements.</b>
<b>6.7 Salt spray deposition</b>	1~2ml/h/80cm2 (collected for at least 16 hours and taken as an average)
<b>6.8 Spray pressure</b>	70~170Kpa

<b>6.9 Meet the test methods and equipment implementation standards</b>	1)GB/T2423.17-2008/IEC 60068-2-11-1981 Salt spray test method 2)ASTM.B117-2009 Salt spray test 3)JIS H8502 Salt spray test method 4)GB/T10125-2012/ISO 9227-2006 Salt spray test method 5)GB-T5170.8-2008 Test methods for environmental test equipment for electrical and electronic products - salt spray test equipment 6)GB-T5170.11-2008 corrosive gas test equipment test methods 7)GB-T10587-2006 Salt spray test chamber technical conditions GBT 20121-2006 / ISO11474-1998 corrosion of metals and alloys corrosion test of artificial atmosphere intermittent salt spray under outdoor accelerated test - scab test
<b>6.10 Noise</b>	Less than 70db(A) (measured at 1m from the box at 1.2m from the ground)
<b>7. Safety protection devices</b>	
<b>7.1 Power supply section</b>	Control circuit short circuit protection fuse
<b>7.2 Test chamber</b>	Upper limit temperature alarm, over temperature protection setter
<b>7.3 Heater</b>	Heater anti-dry-burn device, saturated air drum heater anti-dry-burn device, heater short circuit and overload protection
<b>7.4 Water Supply System</b>	Test chamber water shortage protection, saturated air drum low water level level protection
<b>8.Use of environmental conditions and site requirements 【The following conditions are guaranteed by the user】</b>	
<b>8.1 Location</b>	Level ground and good ventilation No strong vibration around the equipment No strong electromagnetic field around the equipment No flammable, explosive, corrosive substances and dust around the equipment Proper space around the equipment for use and maintenance
<b>8.2 Environmental conditions</b>	Temperature: 5℃~30℃ Relative humidity: ≤85%RH Barometric pressure: 86kPa~106kPa
<b>9. Machine power and power supply requirements</b>	
<b>9.1 Power supply</b>	AC(220±10)V (50±0.5)Hz single-phase three-wire

	<p>Protection ground resistance less than 4Ω; TN-S mode power supply or TT mode power supply</p> <p>The user is required to configure an air or power switch of corresponding capacity for the equipment at the installation site, and this switch must be independent for the use of this equipment (the use of a gate switch or power socket is prohibited).</p>
<b>9.2 Power supply capacity</b>	<p><b>Maximum power: 2Kw</b></p> <p>Maximum current: 18A (recommended switch capacity is not less than: 25 A, switch is less than 2.5 m from the equipment connection)</p>
<b>10 Equipment auxiliary devices</b>	
<b>10.1 Equipment air source</b>	Equipment air consumption 2m <sup>3</sup> /h; customer site needs to prepare dry filtered water-free oil-free compressed air, air pressure 0.4 ~ 0.8Mpa
<b>10.2 Equipment water supply</b>	<p>10.2.1 with test brine water need to use deionized water or mass distilled water, continuous spraying under the water consumption of about 25L / day, brine solution should be prepared with a dissolved weight of 5 ± 1 unit of sodium chloride in 95 units of water, the water quality should meet: the maximum conductivity (μS/cm @25 °C) 10; PH value of 6.5 ~ 7.2;</p> <p>10.2.2 test chamber and saturated barrel heating water, water supply pipeline filtered water softening device, water supply pressure 0.2 ~ 0.4Mpa; water consumption of about 40L/24h</p>
<b>10.3 Spray solvent</b>	Equipment configuration spray liquid distilled water or deionized water required, water consumption of about 25L / 24h continuous spray state
<b>10.4 Spray solute</b>	Equipment spray liquid configuration with NaCl, configuration solution by 5% mass ratio needs to be prepared properly
<b>10.5 Equipment exhaust</b>	Equipment exhaust piping needs to be extended to the designated outdoor location, need to open a hole in the wall near the installation of equipment leading to outdoor, fog exhaust piping can not be water, need to keep open, pipe diameter Φ60mm; fog exhaust location customer specified, the extension tube is not greater than 3 meters, to protect the gas will not be affected by the reverse atmospheric pressure, the end of the exhaust hole should be avoided to produce strong extraction, to avoid strong airflow in the test chamber.
<b>10.6</b>	<b>Equipment drainage pipes need to be extended to the outdoors, and to ensure</b>

<b>Equipment drainage</b>	<p>that the drainage pipes are smooth, the drainage port may be lower than the equipment drainage port, drainage pipe diameter <math>\Phi 1''</math>; drainage location specified by the customer (such as underground waterways are not metal, can be discharged directly into the underground waterways).</p>																											
<b>11. Equipment protection system</b>	<p>Direct heating method, fast heating speed to reduce standby time, when the temperature reaches ON.OFF switch, the temperature is accurate, less power consumption (heating tube made of highly corrosion-resistant titanium tube) Fourth, the safety protection device: (A) low water level, automatically cut off the power device (B) overtemperature, automatically cut off the heater power device  (C) with a safety warning light device</p>																											
<b>12. Equipment Material</b>	<p>(A) The test chamber is made of imported PVC polyethylene-based board, thickness 5mm, durable temperature at 85°C. (B) test chamber sealing using imported acrylic board, thickness of 5mm. (C) pressure air barrel using SUS # 304 not show steel high pressure resistant barrel insulation effect is best. (D) test chamber basket frame adopt plane indexing frame, can adjust the angle arbitrarily, four sides of the fall fog and fog by the aspect of complete consistency.</p>																											
<b>13. Configuration List</b>	<table border="1"> <thead> <tr> <th>Number</th> <th>Name</th> <th>Quantity</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>∨ type shelf</td> <td>4 pcs</td> </tr> <tr> <td>2</td> <td>○Shelf stick</td> <td>6 pcs</td> </tr> <tr> <td>3</td> <td>Standard measuring cylinder</td> <td>1 pcs</td> </tr> <tr> <td>4</td> <td>Temperature indicator needle</td> <td>2 pcs</td> </tr> <tr> <td>5</td> <td>Filter (please change it regularly)</td> <td>1 pcs</td> </tr> <tr> <td>6</td> <td>Mist volume collector 80cm<sup>2</sup></td> <td>1 pcs</td> </tr> <tr> <td>8</td> <td>Mist Elimination System</td> <td>1 group</td> </tr> <tr> <td>9</td> <td>Analytical purity (NACL) 500g</td> <td>2 bottles</td> </tr> </tbody> </table>	Number	Name	Quantity	1	∨ type shelf	4 pcs	2	○Shelf stick	6 pcs	3	Standard measuring cylinder	1 pcs	4	Temperature indicator needle	2 pcs	5	Filter (please change it regularly)	1 pcs	6	Mist volume collector 80cm <sup>2</sup>	1 pcs	8	Mist Elimination System	1 group	9	Analytical purity (NACL) 500g	2 bottles
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