

Introduction

The HUM200X series microenvironment humidity control device is a constant humidity purification instrument which was developed, manufactured and sold by HUATO. It adopts semiconductor cooler for condensation and dehumidification. With innovated structure, independent humidification and dehumidification module, and uses micro positive pressure for control, it breaks through the bottleneck of low humidity control, working more effectively in low humidity control. Perfect for independent showcase, parallel cabinet, wall cabinet, central cabinet, table cabinet, small wall cabinet, etc. Users can run multiple devices online flexibly.



HUM2001

Features:



- Providing constant, effective, mild humidity control for independent cabinet.
- It stably controls the humidity inside cabinets by circulating air, purifying air inside cabinets by absorbing toxic gases.
- Positive air pressure regulation and filtration effectively prevent pollutant particles from entering the cabinet.
- Stable, easy to operate and low in maintenance cost.
- It adopts multiple layers of monitoring system for out of control and fault.
- It adopts Switzerland imported high precision temperature humidity sensor, the precision and stability is ensured.
- Multiple devices running together to control large volume showcase is supported.
- Wireless networking and remote real-time monitoring supported. Users can check or set humidity value remotely, remote booting and stopping is also supported.
- Support data recording, records up to 43,000 readings, wireless or onsite data download is supported, data continuity and Integrity is ensured.
- It does not drain off water and vaporization is automatic, easy to use and maintenance.

General specifications

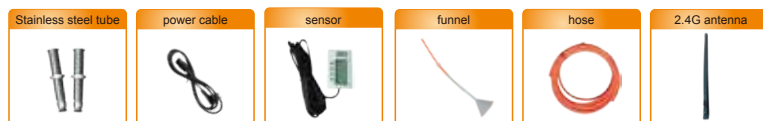
Regulation volume	3~20m ³	Humidity control precision	≤ ± 2%
Humidity control range	Effective range of humidity control is 25%~70% of the cabinet in under 30 °C conditions.		
Power supply	AC220V/50Hz		
Power rating	≤145W		
Air supply	Micro positive pressure airflow		
Purification means	Purified by active carbon filter screen		
Communication means	Built-in 2.4GHz wireless communication module, reserved RS485/RJ45 port		
System safety protection	Multiple protection mechanism for system safety. With autodiagnosics and remote diagnosis functions.		
Installation	Install on the bottom of cabinet, can be fixed with bracket.		
Size	450*305*150mm		
Accessories	Stainless steel tube, power cable, sensor, funnel, hose, 2.4G antenna, anchor ear		

Model list

Model	HUM2001	HUM2003	HUM2006
Control volume	1	3	6
Power supply	12V 20A DC	220V/50Hz AC	220V/50Hz AC
Power consumption	MAX 72W	MAX 145W	MAX 145W
Humidity control range	30%~70% (10~30°C environments)	30%~70% (10~30°C environments)	25%~70% (10~30°C environments)
Humidity control precision	± 2%RH	± 2%RH	± 2%RH
Size	350*300*130mm	440*305*150mm	445*310*150mm
Weight(unloaded)	5.8kg	10kg	12kg
Weight (fully loaded with water)	7kg	11kg	13kg

Model	HUM2001	HUM2003	HUM2006
Water intake	Intake water from tank or absorb moisture from air		
Water drainage	No need, water can be volatilized.		
Purification means	Purified by active carbon filter screen		
Communication means	RS485、2.4G		
Characteristics of device	<ol style="list-style-type: none"> 1. Small size ,low in noise, low power consumption 2. No need to add or drain water 3. suitable for the control of independent cabinet within 1m³ or small sized table cabinet. 4. wireless networking is supported for centralized monitoring and control. 	<ol style="list-style-type: none"> 1. independent humidification and dehumidification module. 2. air circulation control. 3. No need to add or drain water 4. suitable for the control of well sealed cabinet within 3m³. 5. wireless networking is supported for centralized monitoring and control. 6. multiple device linkage is supported. 	<ol style="list-style-type: none"> 1. Control by micro positive pressure , airflow is mild and without interruption. 2. with powerful dehumidification ability. 3. No need to add or drain water. 4. Suitable for the control of cabinet within 6 m³ , also working good for not well sealed cabinet. 5. centralized monitoring and control.
Notice	<ol style="list-style-type: none"> 1. There should be a space the sized of 450×400×250 under cabinet for installation, temperature 10-30 ℃ , and with good ventilation. 2. power supply socket should be 3 pin, There should be a vent hole with 20mm external diameter and internal diameter meter larger than 16mm. 	<ol style="list-style-type: none"> 1. There should be a space the sized of 500×450×300 under cabinet for installation, temperature 10-30 ℃ , and with good ventilation. 2. power supply socket should be 3 pin and ground connection should be connected . 3. There should be a vent hole with 20mm external diameter and internal diameter meter larger than 16mm. 	<ol style="list-style-type: none"> 1. There should be a space the sized of 500×450×300 under cabinet for installation, temperature 10-30 ℃ , and with good ventilation. 2. power supply socket should be 3 pin and ground connection should be connected . 3. There should be a vent hole with 20mm external diameter and internal diameter meter larger than 16mm.

Standard accessories



Typical applications

Perfect for independent showcase, parallel cabinet, wall cabinet, central cabinet, table cabinet, small wall cabinet,etc. Users can run multiple devices online flexibly.

