

Introduction

The HUM2020 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. It can be used in independent cabinet, wall unit, etc. Users can run multiple devices online flexibly.

HUM2020



Features:



- Providing constant, effective, mild humidity control for independent cabinet. It adopts Switzerland imported temperature humidity sensor, its control precision is high.
- It uses self-adapt control algorithm, which allows the device to adjust and uses suitable control algorithm parameter according to changes in surrounding environments automatically, the response to temperature changing is fast. All these helps to control humidity inside a cabinet precisely and stably.
- Wireless networking and remote real-time monitoring supported. Users can check or set humidity value remotely, remote booting and stopping is also supported.
- It adapts multiple layers of monitoring system for out of control and fault situations. It alarms users with sound and light alarm when data value exceeds preset range or there is power failure or fault. It was designed with multiple levels of self-protect and reboot mechanism, making sure it won't crash.
- It is equipped with a tank to add water, air moisture absorption is supported. It does not drain off water and vaporization is automatic. Making water maintenance easier for users.

General specifications

Control volume	≤12/20m ³	Humidity control precision	≤±2%
Humidity control range	Effective range of humidity control is 30%~70% of the cabinet in under 30℃ conditions.		
Power supply	AC220V/50Hz		
Power rating	210W~280W		
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	580*500*160mm		
Accessories	Air pipe, Stainless steel tube, power cable, sensor, funnel, hose, 2.4G antenna, anchor ear		

Model list

Model	HUM2012	HUM2020
Regulation volume	12	20
Power supply	220V/50Hz AC	220V/50Hz AC
Power consumption	MAX 210W	MAX 280W
Humidity control range	30%~70% (10~30℃ environments)	30%~70% (10~30℃ environments)
Humidity control precision	±2%RH	±2%RH
Size	500x260x150mm	510x270x150mm
Weight(unloaded)	13kg	14kg
Weight (fully loaded with water)	15kg	16kg

Model	HUM2012	HUM2020
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. Control by micro positive pressure , airflow is mild and without interruption 2. No need to add or drain water 3. Suitable for the regulation of cabinet within 12 m³ 4. wireless networking is supported for centralized monitoring and control. 	<ol style="list-style-type: none"> 1. Control by micro positive pressure , airflow is mild and without interruption 2. No need to add or drain water 3. Suitable for the regulation of cabinet within 20 m³ 4. wireless networking is supported for centralized monitoring and control.
Notice	<ol style="list-style-type: none"> 1. There should a space the size of 600×450×300 for installation, temperature 10-30 ℃ , and with good ventilation. 2. power supply socket should be 3 pin and ground connection should be correct. 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 a space the size of 650×450×300 for installation, temperature 10-30 ℃ , and with good ventilation. 2. power supply socket should be 3 pin and ground connection should be correct. 3. There should be a vent hole with 20mm external diameter and internal diameter meter larger than 16mm.

Standard accessories



Typical applications

Suitable for large size cabinet, medium or large size wall unit, etc.

