

Humidity Controllers

An important component of climate control, aside from temperature is humidity. Maintaining the correct percentage of Relative Humidity (%RH) is key not only for personal comfort but is also crucial for the preservation of certain objects and environments.

Applications where constant humidity monitoring and control is needed are for example:

- Museums / Antique rooms
- Science / Research laboratories
- Greenhouses
- Wine cellars
- Bakeries
- Residential areas with high humidity levels



The humidity requirements will of course vary according to region, as it is largely dependent on the climate. This, plus the particular application will dictate if the user requires humidification or de-humidification. Fortunately, Meitav-tec offers controllers with outputs for humidifiers, de-humidifiers, or both.

Our Humidity Controllers

Our controllers are available in either 24Vac or 12Vdc. Some offer built-in humidity sensors, while others need to be used with Meitav-tec's external GHU/R or GHU/D sensors; combined temperature and humidity sensor for room (GHU/R) or duct (GHU/D). Other features such as proportional integral outputs and weekly program are also available in certain units.

The complete product series of humidity controllers is shown in the table below. More details on each are available through the links.

Additional information may also be found in Meitav-tec's website at www.meitavtec.com

Comparison Table

Product	Input Voltage		Fan Speeds		Humidifier Output		De-Humidifier Output		Humidity Sensor		Weekly Program		Outputs						
	24Vac*	220Vac	No Fan	1	3	With	Without	Independent	Via compressor	Built in	External	With	Without	Cool 0-10Vdc	Heat 0-10Vdc	Heating stages	Cooling stages	HP	
ETN-24-P-3S-HU	+				+	+		+		+		+	+	+					
CHU-24-Super	+			+		+		+	+	+		+				2	1	+	
DEH-2000	+			+		+		+		+		+		No outputs for temp. control					
M5003-24Vac	+			+		+			+	+	+					2	2	+	
M5003-12Vdc		+		+		+			+	+	+					2	2	+	
M5001-4x0-10Vdc	+		+			0-10 Vdc		0-10 Vdc			+		+	+	+				
ERHU-55		+			+	+		+	+			+						1	
GHU/R	Combined Temperature and Humidity sensor for ROOM																		
GHU/D	Combined Temperature and Humidity sensor for DUCT																		

*In case of 220Vac systems, these units must be used with PS-600