



HUMIDITY

MAMAC SYSTEMS 3% WALL AND DUCT HUMIDITY TRANSMITTERS HU22X3 SERIES

DESCRIPTION

The **MAMAC Systems HU-22X3 Series 3% Wall and Duct Humidity transmitters** are specifically designed for use in HVAC/BAS applications. These instruments measure relative humidity from 0% to 100%. The **MAMAC Systems Wall Humidity transmitters** has single 4-20 mA or 0-5/10 vdc output for humidity. The **MAMAC Systems Duct Humidity transmitters** has single 4-20 mA or 0-5/10 vdc output for humidity.

FEATURES

- **3% accuracy (5% to 90%)**
- **Two-wire, 4-20 mA RH output**
- **Optional temperature thermistor**
- **Optional temperature RTD**
- **Optional temperature 4-20mA (duct or OSA)**

NEW!

MAMAC



HU-224



HU-225



HU-227

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HUMIDITY

SPECIFICATIONS

Accuracy	3% RH, 0-100%	Temperature	-30° to 130°F (-35° to 55°)
Hysteresis	±0.1%	Operating Humidity	0-100% RH non-condensing
Thermal Effect	0.07% per °F	Operating Temperature	-30° to 130°F (-35° to 55°)
Supply Voltage	12-40 VDC, 12- 35 VAC (for Voltage model only)	Wiring Terminations	Terminal block
Signal Output	4-20 mA, 0-5/10 VDC, thermistor, RTD	Duct probe length	6" (15.2 cm)
Maximum Output		Weight	
Impedance	725Ω @ 24VDC	Room	0.5 lb (0.25 kg)
Measurement Range		Duct	1 lb (0.45 kg)
RH	0-100%	OSA	1 lb (0.45 kg)
		Approvals	RoHs, CE
		Warranty	1 year

NEW!

570

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FREE CUSTOM CALIBRATION

September 2016



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ORDERING INFORMATION

MODEL	DESCRIPTION
HU2243	3% Duct humidity sensor
HU2253	3% Wall humidity sensor
HU2263	3% Duct humidity sensor
HU2273	3% OSA humidity sensor
OUTPUT	
mA	4-20 mA, 2-wire
VDC	0-5/10 VDC, field selectable
SENSOR TYPE (NOT AN OPTION FOR HU2242 or HU2252)	
1	100Ω RTD Type 385
3	1,000Ω RTD Type 385
4	1,000Ω RTD Nickel
5	1,000Ω RTD Balco
7	10,000Ω Thermistor Type III
10	3,000Ω Thermistor
12	10,000Ω Thermistor Type II
15	100,000Ω Thermistor
17	20,000Ω Thermistor
18	2252Ω Thermistor

HU2263

MA

17

Example: HU2263MA17 3% Duct humidity sensor, 4-20 mA output, 20,000Ω thermistor