

2% WALL, DUCT AND OSA HUMIDITY TRANSMITTERS HMW60, HMW70, HMD60, HMD70



VAISALA

DESCRIPTION

Vaisala's Models HMW/D60 and HMW/D70 wall, duct mount and OSA relative humidity transmitters have been specifically designed for use in HVAC/BAS and pharmaceutical applications. These instruments measure relative humidity from 0% to 100%. They are easily installed and meet the European CE standards.

Five-minute field calibration is possible using the **Model HM70D0B1B1EB** humidity calibrator. When accuracy adjustment or sensor replacement is necessary, the transmitter can be calibrated in seconds with a single potentiometer without disturbing operation. This saves hours of maintenance time and assures high accuracy.

FEATURES

- Comes with NIST certificate
- Full 0% to 100% RH measurement
- State-of-the-art replaceable sensor technology



CE

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HUMIDITY

SPECIFICATIONS			
HMD60, HMD70		Approvals	CE
Accuracy		Weight	
Humidity	±2% RH (0% to 90% RH) @ 68°F (20°C)	Wall	0.35 lb (0.16 Kg)
Temperature	±0.2°C	Duct	1.68 lb (0.76 Kg)
Supply Voltage		OSA	3.18 lb (1.44 Kg)
60 Series	10 to 35 VDC	Warranty	1 year
70 Series	10 to 35 VDC, 9 to 24 VAC @ 0.3 VA (signal dependent)	HM41K	
Maximum Output		Sensor	Capacitive and replaceable
Impedance	500Ω @ 24 VDC	Operation	Handheld, onsite calibrator
Minimum Output		Reference Probe	
Impedance	3000Ω min	Accuracy	±1% RH (0% to 90% RH) ±2% RH (90% to 100% RH)
Measurement Range		Measuring range	0% to 100% RH, -40° to 140°F (-22° to 78°C)
Humidity	0% to 100%	Operating temperature	-40° to 140°F (-40° to 60°C)
Temperature	-4° to 176°F (-20° to 80°C)	Storage temperature	-4° to 140°F (-20° to 60°C)
Sensing Technology	Capacitive and replaceable, Vaisala HUMICAP® 180	Temperature coefficient	+0.04% RH/°C typical
Operating Temperature		Agency approvals	CE, NIST certificate
Electronics	23° to 131°F (-5° to 55°C)	Weight	2.1 lb (0.95 kg)
Sensor Head (Duct)	-4° to 176°F (-20° to 80°C), Cast aluminum NEMA 4 (IP55), ABS plastic	Warranty	2 years
Enclosure Rating			
Wiring Terminations	Screw terminals (20-16 AWG)		

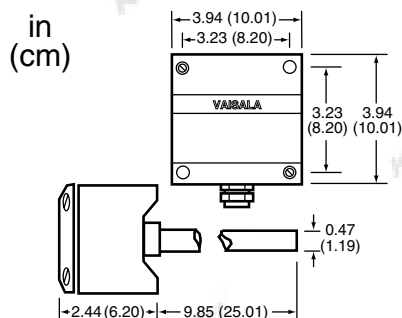


HUMIDITY

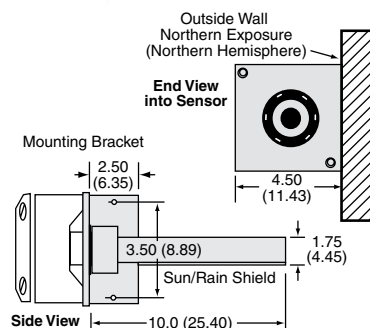
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HMW60, HMW70, HMD60, HMD70

DIMENSIONS



HMD 60/70 Duct RH

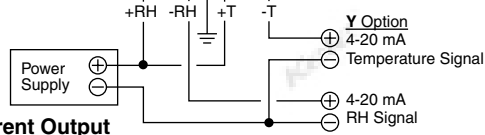


WMK-20 Outside Air Bracket

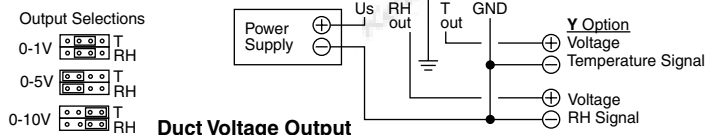
WIRING



HMD 60U or HMD 60Y



HMD 70U or HMD 70Y



ORDERING INFORMATION

MODEL
HMD60U
HMD60Y
HMD70Y
HMW60U
HMW60Y
HMW70U
HMW70Y

DESCRIPTION

Duct RH transmitter, 4-20 mA output
Duct RH and temperature transmitter, 4-20 mA output
Duct RH and temperature transmitter, 0-1V, 0-5V, 0-10V output
Wall mount, RH transmitter, 4-20 mA output
Wall mount, humidity with 4-20 mA output, temperature with 4-20 mA output
Wall mount, RH transmitter, 0-1 VDC, 0-5 VDC, 0-10 VDC outputs
Wall mount, humidity, and temperature, 0-1 VDC, 0-5 VDC, 0-10 VDC outputs

HM70D0B1B1EB
WMK-20
DCPA-1.2
DGP-1.5-W

RELATED PRODUCTS

2% handheld calibrator with calibration cable
OSA/Wall-mount bracket
Power supply, 120 VAC IN to 24 VAC/24 VDC OUT
Power supply, 24 VAC IN to 24 VDC OUT

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