VAISALA

Comparison table of HUMICAP® Humidity and Temperature Transmitter HMD60/70 and HMD60
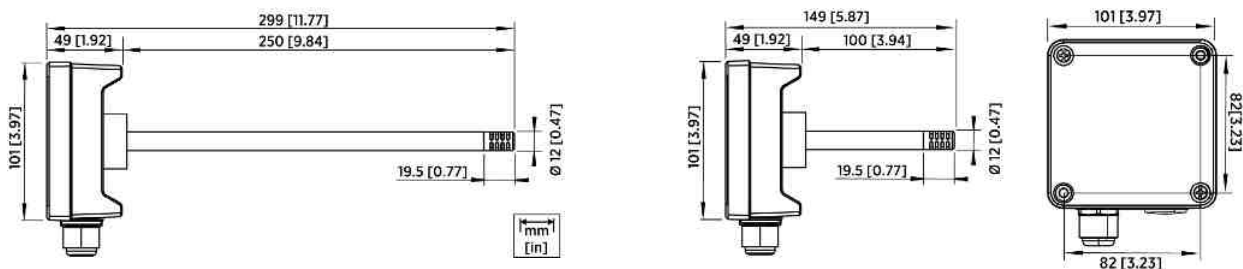
Comparison of HMD60Y and HMD62

FEATURES	Current HMD60Y	New HMD62
Mechanical footprint	Body 100x100x62 mm	101x101x49 mm fits same mounting holes
Probe length	250 mm	250 mm
Materials	Aluminum body Stainless steel probe Chrome plated plastic filter	Aluminum body Stainless steel probe Stainless steel filter
Output signals	2x 4 … 20 mA floating current loops 0…100%RH -20 … +80°C	2x 4 … 20 mA floating current loops Default scale: 0…100%RH -20 … +80°C Configurable with Insight software
Calculated parameters	None	Selectable by DIP: Dew point, Wet bulb, Enthalpy, Absolute humidity, Mixing ratio
Measurement accuracy at room temperature	RH: ±2%RH 0 … 90%RH T: ± 0.2°C	RH: ±1.5%RH 0 … 90%RH T: ± 0.1°C
Operating temperature range	-20 … +80°C (probe) -20 … +60°C (body)	-40 … +80°C (probe+ body)
Field adjustment	Trimmers	Trimmers HM70 Insight software
Humidity only model	Available: HMD60U humidity only HMD60T temperature only	Temperature output is always included. Powering of temperature output is optional. Temperature only model TMD62 available
Ingress protection class	IP65 IP6X = Dust tight IPX5= Water jets	IP66 and NEMA4X IP6X = Dust tight IPX6= Powerful water jets
Humidity sensor	HUMICAP®180	Latest HUMICAP®R2 for improved corrosion resistance

Comparison of HMD70Y and HMD65

FEATURES	Current HMD70Y	New HMD65
Mechanical footprint	Body 100x100x62 mm	101x101x49 mm fits same mounting holes
Probe length	250 mm	250 mm
Materials	Aluminum body Stainless steel probe Chrome plated plastic filter	Aluminum body Stainless steel probe Stainless steel filter
Output signals	2x 0 ... 10 V outputs Jumper configurable for 0 ... 1/5 V Sourcing 0 ... 20 mA with optional current module 0...100%RH -20 ... +80°C	2x 0 ... 10 V outputs 0 ... 5V and 1 ... 5 V configurable using Insight software Default scale: 0...100%RH -20 ... +80°C Configurable with Insight software AND BACnet MS/TP Modbus RTU
Calculated parameters	None	Selectable by DIP: Dew point, Wet bulb, Enthalpy, Absolute humidity, Mixing ratio
Measurement accuracy at room temperature	RH: ±2%RH 0 ... 90%RH T: ± 0.2°C	RH: ±1.5%RH 0 ... 90%RH T: ± 0.1°C
Operating temperature range	-20 ... +80°C (probe) -20 ... +60°C (body)	-40 ... +80°C (probe+ body)
Field adjustment	Trimmers	Trimmers HM70 Insight software
Humidity only model	Available: HMD70Y humidity and temperature HMD70U humidity only HMD70T temperature only	Temperature output is always included. No temperature only version with voltage outputs available
Ingress protection class	IP65 IP6X = Dust tight IPX5= Water jets	IP66 and NEMA4 IP6X = Dust tight IPX6= Powerful water jets
Humidity sensor	HUMICAP®180	Latest HUMICAP®R2 for improved corrosion resistance

HMD60 dimensions