HF52 / HF53 / HF56 Transmitter Ordering Code

	2	3	4	5	6	7	8	**Circuit Type / Supply Voltage / Output Signal Type**
HF520-								2-wire (loop powered) / 10 to 28 VDC / 4…20 mA
HF531-								3-wire / 15…40 VDC or 12…28 VAC / 0…20 mA
HF532-								3-wire / 15…40 VDC or 12…28 VAC / 4…20 mA
HF533-								3-wire / 15…40 VDC or 12…28 VAC / 0…1 V
HF534-								3-wire / 15…40 VDC or 12…28 VAC / 0…5 V
HF535-								3-wire / 15…40 VDC or 12…28 VAC / 0…10 V
HF561-								3-wire / 85…240 VAC / 0…20mA (Dim.: 7.5"L x 4.0"H x 2.0"D)
HF562-								3-wire / 85…240 VAC / 4…20 mA (Dim.: 7.5"L x 4.0"H x 2.0"D)
HF563-								3-wire / 85…240 VAC / 0…1 V (Dim.: 7.5"L x 4.0"H x 2.0"D)
HF564-								3-wire / 85…240 VAC / 0…5 V (Dim.: 7.5"L x 4.0"H x 2.0"D)
HF565-								3-wire / 85…240 VAC / 0…10 V (Dim.: 7.5"L x 4.0"H x 2.0"D)
								Installation Type / Mechanical Configuration
	D							Duct mount (through wall), probe Ø 15 x 208mm
	W							Wall mount, probe Ø 15 x 85 mm
								Analog Output Parameters (Consult factory for additional options)
		B						Humidity & Temperature
		H						Humidity only
		T						Temperature only
		A						Temperature & Dew point
		C						Temperature & Wet bulb temperature (Tw)
		D						Temperature & Enthalpy (H)
		E						Temperature & Specific Humidity (Q)
		F						Temperature & Vapor concentration (Dv)
		G						Temperature & Mixing ratio
		K						Temperature & Saturation vapor pressure (Dvs)
		M						Temperature & Partial water vapor pressure (E)
		N						Temperature & Water vapor saturation pressure (Ew)
		1						Humidity & Dew point
		2						Humidity & Wet bulb temperature (Tw)
		3						Humidity & Enthalpy (H)
		4						Humidity & Specific Humidity (Q)
		5						Humidity & Vapor concentration (Dv)
		6						Humidity & Mixing ratio
		7						Humidity & Saturation vapor pressure (Dvs)
		8						Humidity & Partial water vapor pressure (E)
		9						Humidity & Water vapor saturation pressure (Ew)

Ordering code continued on next page.

HF52 / HF53 / HF56 Transmitter Ordering Code (Continued)

1	2	3	4	5	6	7	8	**Standard Temperature Output Range**
			M E					No Temperature output - calc. parameter Metric
			E N					No Temperature output - calc. parameter English
			1 X					0…50 °C
			2 X					10…40 °C
			3 X					-40…60 °C
			4 X					-30…70 °C
			5 X					-40…85 °C
			6 X					0…100 °F
			7 X					0…200 °F
			8 X					0…300 °F
			9 X					-50…200 °F
			S T					Custom Output Temperature Range (Specify on P/O)
								Optional Keypad and Display
				D				Keypad and Display (HF52: no backlight – HF53/56: w. backlight)
				X				No Keypad and Display
								Cable Fittings and Interface Configuration
								Analog Signal Only:
					1			1 M16 cable gland (supply / signal in one cable)
					2			1 M16 cable gland, vertical mounting (Not Available w/ HF56)
					3			For conduit adaptor, (supply and signal in one cable)
					4			For conduit adaptor, vertical mounting (Not Available w/ HF56)
								With Communication Interface (optional HF53 only)
					5			RS485 interface, 1 M16 cable gland mounted
					6			RS485 interface, for Conduit adaptors
					7			USB & RS485,1 M16 cable gland, horizontal mounting only
					8			USB & RS485, for Conduit adaptors, horizontal mounting only
								Calculated Parameter Output Range
						X X		No calculation
						1 X		0…20
						2 X		0…25
						3 X		0…50
						4 X		0…100
						5 X		0…200
						6 X		0...500
						7 X		0...1000
						A X		-40…40
						B X		-50…50
						C X		-50…100
						D X		-50…200
						S C		Custom Calculated Parameter Range
								Special Relative Humidity Ranges
							S	Custom range (specify when ordering)

Ordering code continued on next page.

HF52 / HF53 / HF56 Transmitter Ordering Code (Continued)

NOTES:

- The HF53 can be ordered with both analog and digital interface (see "cable fittings" in the table).
- The enclosure of all models with optional display and keypad and/or with digital interface is designed to be installed in the horizontal position.
- The M16 cable grip is located at the bottom of the enclosure. The 1/2" conduit adapter in located on top of the enclosure.
- The factory default setting for the dew point calculation is frost point below freezing.
- The calculated parameter uses the same unit system (metric or English) as the temperature output.
- Custom range: be sure to clearly specify the desired range at the time of order. When a special range has been ordered, the letters ST, SC or S are used in column 4, 7 or 8 in the above table. These generic codes will be replaced with a specific code only for quantity and repeat orders.
- The probe used with the HF5 must be ordered separately. For technical information on the different probe models, refer to document E-M-HC2 Probes-V1.
- One (1) AC5005 mounting flange is included with the HF52 and HF53 duct mount transmitter.