

## HF42 / HF43 / HF45 Transmitters Ordering Codes

Transmitters with analog output signals: HF42 (2-wire, loop powered) and HF43 (3-wire)								
1	2	3	4	5	6	7	8	Circuit type, supply voltage and output signal type
HF420-								2-wire (loop powered), 10 to 28 VDC, 4...20 mA
HF431-								3-wire, 15 to 40 VDC or 12 to 28 VAC, 0...20 mA
HF432-								3-wire, 15 to 40 VDC or 12 to 28 VAC, 4...20 mA
HF433-								3-wire, 5 to 40 VDC or 5 to 28 VAC, 0...1 V
HF434-								3-wire, 10 to 40 VDC or 8 to 28 VAC, 0...5 V
HF435-								3-wire, 15 to 40 VDC or 12 to 28 VAC, 0...10 V
Installation type / Mechanical configuration								
	D							Duct mount (through wall)
	W							Wall mount
Parameters (analog outputs)								
		B				X	X	Humidity (0...100 %RH) and Temperature - see range below
		H	X	X		X	X	Humidity only (0...100 %RH)
		T				X	X	Temperature only - see range below
		1						Humidity and Dew / Frost point - see range below
		A						Temperature and Dew / Frost point - see range below
Standard temperature output ranges								
			1	X				0...50 °C
			3	X				-40...60 °C
			4	X				-30...70 °C
			6	X				0...100 °F
			7	X				0...200 °F
			9	X				-50...200 °F
			S	T				Custom range – specify when ordering
Optional keypad and display								
					D			Keypad and display (HF42: no backlight – HF43: w. backlight)
					X			No keypad and display
Cable fittings								
						1		1x M16 cable grip (horizontal, type D w. display and type W)
						2		1x M16 cable grip (vertical, type D w/o display)
						3		1x ½" conduit adapter (horizontal, type D w. display and type W)
						4		1x ½" conduit adapter (vertical, type D w/o display)

1	2	3	4	5	6	7	8	Standard dew / frost point output ranges
						B	X	-50...50
						C	X	-50...100
						D	X	-50...200
						S	C	Custom range – specify when ordering
								<b>Special relative humidity ranges</b>
							S	Custom range – specify when ordering

**Notes:**

- Output 1: relative humidity or dew point
- Output 2: temperature
- The enclosure of all models with the optional display and keypad is designed to be installed in the horizontal position
- The M16 cable grip is located at the bottom of the enclosure
- The ½" conduit adapter is located on top of the enclosure
- The dew / frost point range uses the same unit (°C or °F) as the temperature output. The factory default setting is frost point below freezing.
- Custom range: be sure to clearly specify the desired range at the time of the order. When a special range has been ordered, the letters ST, SC or S are used in columns 4, 7 or 8 in the above table. These generic codes will be replaced with a specific code only for quantity and repeat orders

Transmitters with digital output: HF45						
1	2	3	4	5	6	Circuit type and supply voltage
HF456-						3-wire, 5 to 40 VDC or 12 to 28 VAC
						Installation type / Mechanical configuration
	D					Duct mount (through wall)
	W					Wall mount
						Parameters
		X				Humidity (RH) and Temperature (T)
		1				RH + T + Dew / Frost point
						Optional keypad and display
			D			Keypad and display with backlight
			X			No keypad and display
						Cable fittings and digital interface
				5		1x M16 cable grip, RS-485 interface
				6		1x 1/2" conduit adapter, RS-485 interface
				7		1x M16 cable grip, USB + RS-485
				8		1x 1/2" conduit adapter, USB + RS-485
				9		1x M16 cable grip, Ethernet + RS-485
				A		1x 1/2" conduit adapter, Ethernet + RS-485
				B		1x M16 cable grip, Ethernet wireless + RS-485
				C		1x 1/2" conduit adapter, Ethernet wireless + RS-485
				D		1x M16 cable grip, MODBUS ASCII interface
				E		1x 1/2" conduit adapter, MODBUS ASCII interface
						Unit system
					M	Metric
					E	English

**Notes:**

- The enclosure of all models 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 is located on top of the enclosure
- The factory default setting for the dew point calculation is the frost point below freezing
- The same terminal block is used for either the Modbus interface or the RS-485 interface. A MODBUS network and a RS-485 network are physically identical and differ only in the communication protocol being used. The default communication protocol used with the RS-485 interface is RO-ASCII. When ordered with the MODBUS interface, the transmitter is configured by the factory to use the MODBUS ASCII communication protocol