

HMP228 Moisture and Temperature Transmitter for Oil

Moisture in Oil Transmitter		HMP228										PRICE									
Transmitter type	aw+T	A																			
NOTE: ppm values are valid only at 0...100 °C	aw+T+ppm aw+T+ppm **)	for mineral transformer oil only specific transformer oil type:	M X																		
Display	no display	display on transmitter cover	1 2																		
Probe cable length	2 m 178mm probe, max +180 °C	(+356 °F)	A																		
	5 m 178mm probe, max +180 °C	(+356 °F)	B																		
	10 m 178mm probe, max +180 °C	(+356 °F)	C																		
	2 m 400mm probe, max +180 °C	(+356 °F)	D																		
	5 m 400mm probe, max +180 °C	(+356 °F)	G																		
	10 m 400mm probe, max +180 °C	(+356 °F)	H																		
Power supply, alarm output & connectors	24 V, no connectors		0																		
	115 V, no connectors		1																		
	230 V, no connectors		2																		
	24 V, + alarm output unit (no connectors)		3																		
	24 V, shared connector for power supply and analog outputs		4																		
	24 V, as above + alarm output unit not on connector		5																		
	115 V, connector for analog outputs		6																		
	230 V, connector for analog outputs		7																		
Using serial interface:	24 V, connector for RS232C		8																		
	24 V, 2 connectors: RS232C and analog outputs+power supply		9																		
	24 V, 2 connectors shared for power supply and RS485		9																		
Serial interface	RS232C		A																		
	RS485/RS422		B																		
	digital current loop		C																		
Sensor protection	stainless steel filter (HM47453)		1																		
Analog output signals	4... 20 mA		A																		
	0... 20 mA		B																		
	0... 1V		C																		
	0... 5 V		D																		
	0... 10 V		E																		
	Ch1																				
	Ch2																				
Analog output signals (Ch1, Ch2)	Aw (0... 1)		A																		
	T (range below)		B																		
	ppm (0... 500 ppm)	(Only with transmitter types M or X)	C																		
	ppm (0... 100 ppm)	(Only with transmitter types M or X)	D																		
	Ch1																				
	Ch2																				
Analog output range for temperature	-20... +80°C	(-4.0... +176 °F)	A																		
	-40...+60 °C	(-40...+140 °F)	B																		
	-20...+100 °C	(-4...+212 °F)	C																		
	-40...+180 °C	(-40...+356 °F)	D																		
	0...+100 °C	(+32...+212 °F)	E																		
Units (local display and serial interface)	metric		1																		
	non-metric		2																		
Installation kit	no installation kit		A																		
	ball valve set for pipeline installations (DMP248BVS)		B																		
Manual language	no manual		1																		
	English		A																		
	German		B																		
	Japanese		C																		
			J																		
		TOTAL																			
		QTY																			
		TOTAL VALUE																			

Selections in bold are included in the prices of the basic versions.

Selections in italic are available at an extra price.

Example of order code with typical settings:

HMP228 A 1 A 0 A 1 A A A B A 1 A 1 A

End customer:

**) Check the availability and special delivery time from your local Vaisala representative.

This model is always needed with silicone based transformer oils.