

Combined Pressure, Humidity and Temperature Transmitter PTU303

For General Use

Vaisala Combined Pressure, Humidity and Temperature Transmitter			PTU303											PRICE									
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	
1	Transmitter type	PTU303	for general use																				
2	Pressure range	500...1100 hPa	1	Class A / one sensor																			
		500...1100 hPa	2	Class B / one sensor																			
		500...1100 hPa	3	Class A / two sensors																			
		500...1100 hPa	4	Class B / two sensors																			
		50...1100 hPa	5	One sensor, class B only																			
		50...1100 hPa	6	Two sensors, class B only																			
3	Probe cable length	2 m cable, +80 °C	B																				
		5 m cable, +80 °C	C																				
		10 m cable, +80 °C	D																				
		20 m cable, +80 °C	P																				
4	Additional temperature probe	No probe	0																				
5	Display	No display	0																				
		Graphical display with keypad	1																				
6	Power supply	10...35 VDC, 24 VAC	A																				
		10...35 VDC, 24 VAC with galvanic isolation	B																				
		Universal AC power (100...240 VAC)	C																				
		Universal AC power (100...240 VAC) + US power cord	D																				
		Universal AC power (100...240 VAC) + UK power cord	E																				
		Universal AC power (100...240 VAC) + AUS power cord	F																				
		Universal AC power (100...240 VAC) + EURO power cord	G																				
		External US AC-adaptor (for LAN/WLAN interface in USA and Canada)	K																				
		Not IP65																					
7	Output signal	RS232C only, no analog outputs	0																				
		RS232C + Analog outputs (Ch1 & Ch2, optional Ch3)	1																				
		4... 20 mA	2																				
		RS232C + Analog outputs (Ch1 & Ch2, optional Ch3)	3																				
		0... 20 mA	4																				
		RS232C + Analog outputs (Ch1 & Ch2, optional Ch3)	5																				
		0... 1 V																					
		RS232C + Analog outputs (Ch1 & Ch2, optional Ch3)																					
		0... 5 V																					
		RS232C + Analog outputs (Ch1 & Ch2, optional Ch3)																					
		0... 10 V																					
8-10	Parameter and scaling for analog output (Ch1, Ch2, Ch3)	No Analog output	A																				
		RH	B																				
		(0...100 %RH)	B																				
		T	C																				
		(range: see below)	C																				
		Td (-20...100 °C)	D																				
		(-4...+212 °F)	D																				
		Tdf (-20...100 °C)	E																				
		(-4...+212 °F)	E																				
		a (0...600 g/m3)	F																				
		(0...262 gr/ft3)	F																				
		Tw (0...100 °C)	G																				
		(+32...+212 °F)	G																				
		x (0...500 g/kg d.a)	H																				
		(0...3500 gr/lb)	H																				
		h (-40...1500 kJ/kg)	J																				
		(-9.5...+652.6 Btu/lb)	J																				
		pw (0...1000 hPa)	K																				
		(0...14.5 psi)	K																				
		pws (0...1000 hPa)	L																				
		(0...14.5 psi)	L																				
		dT (-10...+50 °C)	M																				
		(14...+122 °F)	M																				
		P	P																				
		(pressure range: selection in step 2)	P																				
	Special	Define quantity for Ch1: _____ Ch2: _____	X																				
		Define scale for Ch1: _____ Ch2: _____ Ch3: _____	X																				
		Channel 1	X																				
		Channel 2	X																				
		Channel 3 only for pressure (optional)	X																				
	Note:	- If any analog outputs selected, please specify at least Ch1 & Ch2 parameters and scalings																					
		- 3rd analog output (Ch3) is not possible with two pressure sensors or an optional module																					
11	Analog output range for temperature	No temperature output	A																				
		-40...+60 °C	B																				
		-20...+60 °C	F																				
		0...+60 °C	K																				
		special range : _____	X																				
		Mandatory if no analog T outputs selected																					
		(-40...+140 °F)																					
		(-4...+140 °F)																					
		(+32...+140 °F)																					
12	Output format	Standard	1																				
13	Output units	Metric	A																				
		Non-metric	B																				
14	Optional module	No module	0																				
		Relay output	1																				
		Not possible with universal AC power module																					
	Note:	Up to one optional module can be selected																					
		RS485 serial interface (galvanically isolated)	2																				
		LAN (Ethernet) interface + 2 m cable (RJ45)	4																				
		Data logger module	6																				
15	Cable bushings	Cable gland M20*1.5	A																				
		Conduit fitting NPT1/2"	B																				
	Note:	The universal AC power must not be connected through the 8-pole connector or D9 adapter	C																				
		8-pole connector with 5m cable	D																				
		8-pole counter connector with screw terminals	E																				
		D9-adaptor																					
		Only for RS232C, RS485 and DC supply																					
		spare cable: 212142																					
		spare connector: 212416																					
16	Pressure fitting	Barbed fitting for 1/8" hose	1																				
		Quick connector with shutoff valve for 1/8" hose	2																				
17	Transmitter installation	Normal mounting	A																				
		Wall mounting plate	B																				
		Pole installation kit	C																				
		Pole installation kit with Rain Shield	D																				
		DIN rail kit	E																				
		separate delivery if 20 m probe																					
		item: 214829																					
		separate delivery if 20 m probe																					
		item: 215108																					
		separate delivery if 20 m probe																					
		item: 215109																					
		item: 215094																					
18	Humidity sensor	General purpose and high chemical concentrations	A																				
		HUMICAP180R	C																				
		Composite sensor with chemical purge option	1																				
		HUMICAP180RC																					
		General purpose	1																				
		HUMICAP180																					
		Composite sensor with chemical purge option	4																				
		HUMICAP180C																					
19	Sensor protection	PPS plastic grid & stainless steel netting	B																				
		PPS plastic grid	C																				
		Sintered stainless steel filter	D																				
		Stainless steel grid	E																				
		spare: DRW010281SP																					
		spare: DRW010276SP																					
		spare: HMA7280SP																					
		spare: HMA7453SP																					
20	Probe installation accessories	No kit	0																				
		Duct Installation kit	1																				
		spare: 210697																					
		Cable Gland AGRO, M20x1.5 with split seal	2																				
		spare: HMP247CG																					
21	User's Guide language	No User's Guide	A																				
		English	B																				
		French	D																				
		Japanese	J																				
	pdf user guides available at:	www.vaisala.com/ptu300																					
22	PC Accessories	No	0																				
		Service cable for PC, RS232 (D9 female connector)	1																				
		item: 19446ZZ																					
		MITOLINK software for Windows® with RS232 service cable	2																				
		item: 215005																					
		Service cable for PC, USB	3																				
		item: 219685																					
		MITOLINK software for Windows® with USB service cable	4																				
		item: 219916																					
23	Calibration	ISO9001 compliant factory calibration	A																				
		Special calibration	X																				
		See separate order form																					
		service item: HELSPECIALCAL																					
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:

PTU303 3 1 B 0 1 A 1 B C P B 1 A 0 A 1 A A B 0 B 0 A

End customer:



Order form
Purchaser

Valid from April 2017
Order no.

Combined Pressure, Humidity and Temperature Transmitter PTU307

For High Humidities

Vaisala Combined Pressure, Humidity and Temperature Transmitter		PTU300	7	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PRICE
1	Transmitter type	PTU307	with warmed probe	7																							
2	Pressure range	500...1100 hPa 500...1100 hPa 500...1100 hPa 500...1100 hPa 50...1100 hPa 50...1100 hPa	Class A / one sensor Class B / one sensor Class A / two sensors Class B / two sensors One sensor, class B only Two sensors, class B only	1 2 3 4 5 6																							
3	Probe cable length (dew point probe)	2m cable, +120 °C 5 m cable, +120 °C 10 m cable, +120 °C 20 m cable, +120 °C		E F G R																							
4	Additional temperature probe <i>Note: RH and T are available only if additional temperature probe is selected</i>	No probe 2 m cable 5 m cable 10 m cable 20 m cable	(dew point probe only)	0 1 2 3 7																							
5	Display	No display <i>Graphical display with keypad</i>		0 1																							
6	Power supply	10...35 VDC, 24 VAC 10...35 VDC, 24 VAC with galvanic isolation Universal AC power (100...240 VAC) Universal AC power (100...240 VAC) + US power cord Universal AC power (100...240 VAC) + UK power cord Universal AC power (100...240 VAC) + AUS power cord Universal AC power (100...240 VAC) + EURO power cord External US AC-adaptor (for LAN/WLAN interface in USA and Canada)		A B C D E F G K																							
7	Output signal	RS232C only, no analog outputs RS232C + Analog outputs (Ch1 & Ch2, optional Ch3) RS232C + Analog outputs (Ch1 & Ch2, optional Ch3) RS232C + Analog outputs (Ch1 & Ch2, optional Ch3) RS232C + Analog outputs (Ch1 & Ch2, optional Ch3) RS232C + Analog outputs (Ch1 & Ch2, optional Ch3)	4... 20 mA 0... 20 mA 0... 1 V 0... 5 V 0... 10 V	0 1 2 3 4 5																							
8-10	Parameter and scaling for analog output (Ch1, Ch2, Ch3)	No Analog output RH T Td (-20...100 °C) Tdf (-20...100 °C) a (0...600 g/m3) Tw (0...100 °C) x (0...500 g/kg d.a) h (-40...1500 kJ/kg) pw (0...1000 hPa) pws (0...1000 hPa) dT (-10...+50 °C) P Special Define quantity for Ch1: _____ Ch2: _____ Define scale for Ch1: _____ Ch2: _____ Ch3: _____ <i>Note: - If any analog outputs selected, please specify at least Ch1 & Ch2 parameters and scalings - 3rd analog output (Ch3) is not possible with two pressure sensors or an optional module</i>	(0...100 %RH) (range: see below) (-4...+212 °F) (-4...+212 °F) (0...262 gr/ft3) (+32...+212 °F) (0...3500 gr/lb) (-9.5...+652.6 Btu/lb) (0...14.5 psi) (0...14.5 psi) (14...+122 °F) (pressure range: selection in step 2)	Only with additional T probe Only with additional T probe Only with additional T probe Only with additional T probe Only with additional T probe Only with additional T probe Only with additional T probe Only with additional T probe	A B C D E F G H J K L M P X X X																						
11	Analog output range for temperature	No temperature output -40...+60 °C -20...+60 °C 0...+60 °C	Mandatory if no analog T outputs selected (-40...+140 °F) (-4...+140 °F) (+32...+140 °F)	A B F K X																							
12	Output format	Standard	special range :	1																							
13	Output units	Metric Non-metric		A B																							
14	Optional module	No module Relay output <i>Note: Up to one optional module can be selected</i> RS485 serial interface (galvanically isolated) LAN (Ethernet) interface + 2 m cable (RJ45) Data logger module	Mandatory with two pressure sensors or 3rd analog output Not possible with universal AC power module Not possible with D9-adaptor and 8-pole connectors	0 1 2 4 6																							
15	Cable bushings	Cable gland M20*1.5 Conduit fitting NPT1/2" <i>Note: The universal AC power must not be connected through the 8-pole connector or D9 adaptor</i>	8-pole connector with 5m cable 8-pole counter connector with screw terminals D9-adaptor Only for RS232C, RS485 and DC supply	A B C D E																							
16	Pressure fitting	Barbed fitting for 1/8" hose Quick connector with shutoff valve for 1/8" hose		1 2																							
17	Transmitter installation	Normal mounting Wall mounting plate Pole installation kit Pole installation kit with Rain Shield DIN rail kit	separate delivery if 20 m probe separate delivery if 20 m probe	item: 214829 item: 215108 item: 215109 item: 215094	A B C D E																						
18	Humidity sensor	Composite sensor Composite sensor with chemical purge Composite sensor Composite sensor with chemical purge	HUMICAP180RC HUMICAP180RC HUMICAP180C HUMICAP180C	B C 3 4																							
19	Sensor protection	PPS plastic grid & stainless steel netting PPS plastic grid Sintered stainless steel filter Stainless steel grid		spare: DRW010281SP spare: DRW010276SP spare: HM47280SP spare: HM47453SP	B C D E																						
20	Probe installation accessories	No kit Duct Installation kit Cable Gland AGRO 2 x Duct installation kits		spare: 210697 spare: HMP247CG spare: 210697 + 215003	0 1 2 6																						
21	User's Guide language	No User's Guide English French Japanese		A B D J																							
22	PC Accessories	No Service cable for PC, RS232 (D9 female connector) M70LINK software for Windows® with RS232 service cable Service cable for PC, USB M70LINK software for Windows® with USB service cable		item: 19446ZZ item: 215005 item: 219685 item: 219916	0 1 2 3 4																						
23	Calibration	ISO9001 compliant factory calibration Special calibration	See separate order form	service item: HELSPECIALCAL	A X																						
																								TOTAL			
																								QTY			
																								TOTAL VALUE			

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Example of order code with typical settings:

PTU300|7|E|1|1|A|1|B|C|P|B|1|A|0|A|1|A|B|B|0|B|0|A

End customer: _____

