

## Combined Pressure, Humidity and Temperature Transmitter PTU301

For Wall Mounting

Vaisala Combined Pressure, Humidity and Temperature Transmitter		PTU300	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	PTU301	for wall mounting	1																						
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	Wall mount probe	fixed with short cable	Probe holder plate recommended in selection 17	A 8																						
4	Additional temperature probe	No probe		0																						
5	Display	No display Graphical display with keypad		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)	Not IP65	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	(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)	A B C D E F G H J K L M P X X X																						
	Special	Define quantity for Ch1: _____ Ch2: _____ Define scale for Ch1: _____ Ch2: _____ Ch3: _____	Channel 1 Channel 2 Channel 3 only for pressure (optional)																							
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 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 Please see note *) below, 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" 8-pole connector with 5m cable 8-pole counter connector with screw terminals D9-adaptor	spare cable: 212142 spare connector: 212416 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 Probe holder plate	item: 214829 item: 215108 item: 215109 item: 215094 Recommended with short cable probe	A B C D E F																						
18	Humidity sensor	General purpose and high chemical concentrations Composite sensor with chemical purge option General purpose Composite sensor with chemical purge option	HUMICAP180R HUMICAP180RC HUMICAP180 HUMICAP180C	A C 1 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 probe installation accessories		0																						
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) M170LINK software for Windows® with RS232 service cable Service cable for PC, USB M170LINK 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																						

\*) Note! Simultaneous installation of LAN and Universal AC-power is possible only with a short cable probe.

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:

PTU300 1 1 1 A 0 1 A 1 B C P B 1 A 0 A 1 A A B 0 B 0 A

TOTAL  
QTY  
TOTAL VALUE

End customer: \_\_\_\_\_



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## Combined Pressure, Humidity and Temperature Transmitter PTU303

For General Use

Vaisala Combined Pressure, Humidity and Temperature Transmitter			PTU300	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	3																						
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	2 m cable, +80 °C 5 m cable, +80 °C 10 m cable, +80 °C 20 m cable, +80 °C			B C D P																					
4	Additional temperature probe	No probe		0																						
5	Display	No display Graphical display with keypad		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	(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)		A B C D E F G H J K L M P X																					
	Special	Define quantity for Ch1: _____ Ch2: _____ Define scale for Ch1: _____ Ch2: _____ Ch3: _____			X X 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 -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																								
13	Output units	Metric Non-metric			A B																					
14	Optional module	No module Relay output 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 Note: The universal AC power must not be connected through the 8-pole connector or D9 adapter	Conduit fitting NPT1/2" 8-pole connector with 5m cable 8-pole counter connector with screw terminals D9-adaptor		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			A B C D E																					
18	Humidity sensor	General purpose and high chemical concentrations Composite sensor with chemical purge option General purpose Composite sensor with chemical purge option	HUMICAP180R HUMICAP180RC HUMICAP180 HUMICAP180C		A C 1 4																					
19	Sensor protection	PPS plastic grid & stainless steel netting PPS plastic grid Sintered stainless steel filter Stainless steel grid			B C D E																					
20	Probe installation accessories	No kit Duct Installation kit Cable Gland AGRO, M20x1.5 with split seal			0 1 2																					
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) M170LINK software for Windows® with RS232 service cable Service cable for PC, USB M170LINK software for Windows® with USB service cable			0 1 2 3 4																					
23	Calibration	ISO9001 compliant factory calibration Special calibration			A X																					

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:

PTU300 3 1 B 0 1 A 1 B C P B 1 A 0 A 1 A A B 0 B 0 A

TOTAL  
QTY  
TOTAL VALUE

End customer:



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## 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																								
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: _____  <b>Note:</b> - 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	(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	I	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 :																								
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																									
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																								
18	Humidity sensor	Composite sensor Composite sensor with chemical purge Composite sensor Composite sensor with chemical purge	HUMICAP180RC HUMICAP180RC HUMICAP180C HUMICAP180C																								
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																								
20	Probe installation accessories	No kit Duct Installation kit Cable Gland AGRO 2 x Duct installation kits	spare: 210697 spare: HMP247CG spare: 210697 + 215003																								
21	User's Guide language pdf user guides available at: www.vaisala.com/ptu300	No User's Guide English French Japanese																									
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																								
23	Calibration	ISO9001 compliant factory calibration Special calibration	See separate order form service item: HELSPECIALCAL																								
																								TOTAL	X		
																								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:

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:



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## Combined Pressure and Temperature Transmitter PTU30T

For Pressure and Temperature Measurement

Vaisala Combined Pressure and Temperature Transmitter		PTU300	T	0	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	PTU30T	for pressure and temperature only	T																									
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	Temperature probe length	2m cable 5 m cable 10 m cable		H J K																									
4	Additional temperature probe	No probe		0																									
5	Display	No display Graphical display with keypad		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)																											
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 T (T range: selection in step 11) P (pressure range: selection in step 2)																											
	Special	Define scale for Ch1: _____ Ch2: _____ Ch3: _____																											
	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 -40...+60 °C -20...+60 °C 0...+60 °C	Mandatory if no analog T outputs selected (-40...+140 °F) (-40...+140 °F) (+32...+140 °F)																										
	special range for T (Ch1 & Ch2) :																												
12	Output format	Standard																											
13	Output units	Metric Non-metric																											
14	Optional module	No module Relay output 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																										
	Note:	Up to one optional module can be selected																											
15	Cable bushings	Cable gland M20*1.5 Conduit fitting NPT1/2" 8-pole connector with 5m cable 8-pole counter connector with screw terminals D9-adaptor	spare cable: 212142 spare connector: 212416 Only for RS232C, RS485 and DC supply																										
16	Pressure fitting	Barbed fitting for 1/8" hose Quick connector with shutoff valve for 1/8" hose																											
17	Transmitter installation	Normal mounting Wall mounting plate Pole installation kit Pole installation kit with Rain Shield DIN rail kit	item: 214829 item: 215108 item: 215109 item: 215094																										
18	Humidity sensor	No humidity sensor																											
19	Sensor protection	No sensor protection																											
20	Probe installation accessories	No probe installation accessories																											
21	User's Guide language	No User's Guide English French Japanese																											
	pdf user guides available at:	www.vaisala.com/ptu300																											
22	PC Accessories	No Service cable for PC, RS232 (D9 female connector) MI70LINK software for Windows® with RS232 service cable Service cable for PC, USB MI70LINK software for Windows® with USB service cable	item: 19446ZZ item: 215005 item: 219685 item: 219916																										
23	Calibration	ISO9001 compliant factory calibration Special calibration	See separate order form service item: HELSPECIALCAL																										
TOTAL																											X		
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:

PTU300 T 1 H 0 1 A 1 C P B 1 A 0 A 1 A 0 A 0 B 0 A

End customer:



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