VAISALA

Order form
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Valid from 17th September 2004
Order no. _____

HMT331 Humidity and Temperature Transmitter

For wall mounting

Vaisala HUMICAP® Humidity and Temperature Transmitter			**HMT330 1 A 0 A**	PRICE
Transmitter type	**HMT331**		**1**	
Wall probe			**A**	
No additional temperature probe			**0**	
Parameters	**RH+T**		**A**	
	RH+T+Td+Tdf+a+x+Tw+ppm+pw+pws+h+dT		B	
Display	**No display**		**0**	
	Graphic LCD with backlight		1	
Power supply	**10...35 VDC , 24 VAC**		**0**	
	Galvanic isolation for outputs 10...35 VDC, 24 VAC		1	
	Universal AC -power (100....240 VAC)		2	
Signal output	**Analog output channel (Ch1&Ch2&Ch3)**	**4... 20 mA**	**1**	
	Analog output channel (Ch1&Ch2&Ch3)	**0... 20 mA**	**2**	
	Analog output channel (Ch1&Ch2&Ch3)	**0... 1 V**	**3**	
	Analog output channel (Ch1&Ch2&Ch3)	**0... 5 V**	**4**	
	Analog output channel (Ch1&Ch2&Ch3)	**0... 10 V**	**5**	
	+ Serial interface RS232 or optional communication module			
Analog output signals for Ch1 , Ch2 and Ch3	**No 3rd analog output**		**A**	
	RH	**(0...100%RH)**	**B B B**	
	T	**(range: see below)**	**C C C**	
	Td (-20...100°C)	**(-4...+212 °F)**	**D D D**	
	Tdf (-20...100°C)	**(-4...+212 °F)**	**E E E**	
	a (0...600g/m3)	**(0...262 gr/ft3)**	**F F F**	
	Tw (0...100°C)	**(+32...+212°F)**	**G G G**	
	x (0...500g/kg d.a)	**(0...3500gr/lb)**	**H H H**	
	h (-40...1500 kJ/kg)	**(-9.5...+652.6 Btu/lb)**	**J J J**	
	ppm (0…5000)	**(0…5000)**	**K K K**	
	pw (0…1000 hPa)	**(0…14.5psi)**	**L L L**	
	pws (0…1000 hPa)	**(0…14.5psi)**	**M M M**	
	dT (-10...+50 °C)	**(14...+122 °F)**	**N N N**	
SPECIAL Define quantity	**Ch1:_____ Ch2:_____ Optional Ch3:_____**		**X X X**	
Define scale	**Ch1:_____ Ch2:_____ Optional Ch3:_____**			
		Channel 1		
		Channel 2		
		Channel 3, choose A if not needed		
Analog output range for temperature	**No temperature output**		**A**	
Note:	**-40...+60°C**	**(-40...+140°F)**	**B**	
- Choose option A, if no T output is desired	**-20...+60°C**	**(-4...+140°F)**	**F**	
	0...+60°C	**(+32...+140°F)**	**K**	
	Special	**:_____**	**X**	
Output units	**Metric**		**1**	
	Non-metric		**2**	
Option for module slot 1	**No module**		**0**	
	Relay output		1	
	RS-485 serial interface (galvanically isolated)		2	
Option for module slot 2	**No module**		**0**	
	Relay output		1	
	3rd Analog output	*Choose also analog output signal for Ch3*	3	
Cable bushings	**Cable gland M20*1.5**		**A**	
	Conduit fitting NPT1/2"		**B**	
	8-pole connector with 5 m cable (not possible with universal AC power option)		C	
	8-pole counter connector equipped with screw terminals (not possible with universal AC power option)		D	
Transmitter installation	**Normal mounting**		**0**	
	Wall mounting plate		1	
	Pole installation kit		2	
	Pole installation kit with rain shield		3	
	DIN rail kit		4	
Humidity sensor type	**General purpose**	**HUMICAP180**	**1**	
	Special sensor for high chemical concentrations	**HUMICAP180L2**	**2**	
	Chemical purge	*HUMICAP180C*	4	
Sensor protection	**PPS plastic grid & stainless steel netting**		**A**	
	PPS plastic grid		**B**	
	Sintered stainless steel filter		**C**	
No probe installation kit			**A**	
Operating manual language	**No manual**		**A**	
	English		**B**	
PC Accessories	**No**		**A**	
	Service cable for PC		B	
	MI70LINK software for Windows® + service cable for PC		C	
Calibration / Calibration contract	**ISO9001 compliant factory calibration / No calibration contract**		**A**	
	ISO 9001 compliant calibration 3 years		B	
	ISO 9001 compliant calibration 5 years		C	
	ISO 17025 Accredited calibration, 7 points (RH) (replaces standard factory calibration)		D	
	ISO 17025 Accredited calibration, 7 points (RH) 3 years (calibration contract)		E	
	ISO 17025 Accredited calibration, 7 points (RH) 5 years (calibration contract)		F	
	ISO 17025 Accredited calibration, 7 points (RH+T) 0...60°C (replaces standard factory calibration)		K	
	ISO 17025 Accredited calibration, 7 points (RH+T) 0...60°C 3 years (calibration contract)		L	
	ISO 17025 Accredited calibration, 7 points (RH+T) 0...60°C 5 years (calibration contract)		M	
Additional maintenance	**No maintenance and repair contract**		**1**	
	Maintenance and repair contract 3 years		2	
	Maintenance and repair contract 5 years		3	

* Additional maintenance contract can be chosen only if calibration contract is also chosen for the same time period

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:

HMT330	**1**	**A**	**0**	**A**	**1**	**0**	**1**	**B**	**C**	**A**	**B**	**1**	**0**	**0**	**A**	**0**	**1**	**A**	**A**	**B**	**A**	**A**	**1**

End customer: _____

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Order form
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Valid from 17th September 2004
Order no. _____

HMT333 Humidity and Temperature Transmitter

For general use

Vaisala HUMICAP® Humidity and Temperature Transmitter			**HMT330**	**3 0**
Transmitter type	**HMT333**			**3**
Cable length	**2 m cable**			**E**
	5 m cable			F
	10 m cable			G
No additional temperature probe				**0**
Parameters	**RH+T**			**A**
	RH+T+Td+Tdf+a+x+Tw+ppm+pw+pws+h+dT			B
Display	**No display**			**0**
	Graphic LCD with backlight			1
Power supply	**10...35 VDC , 24 VAC**			**0**
	Galvanic isolation for outputs 10...35 VDC , 24 VAC			1
	Universal AC -power (100....240 VAC)			2
Signal output	**Analog output channel (Ch1&Ch2&Ch3)**	**4... 20 mA**		**1**
	Analog output channel (Ch1&Ch2&Ch3)	**0... 20 mA**		**2**
	Analog output channel (Ch1&Ch2&Ch3)	**0... 1 V**		**3**
	Analog output channel (Ch1&Ch2&Ch3)	**0... 5 V**		**4**
	Analog output channel (Ch1&Ch2&Ch3)	**0... 10 V**		**5**
	+ Serial interface RS232 or optional communication module			
Analog output signals for Ch1 , Ch2 and Ch3	**No 3rd analog output**			**A**
	RH	**(0... 100%RH)**	**B**	**B**
	T	**(range: see below)**	**C**	**C**
	Td (-20...100°C)	**(-4...+212 °F)**	**D**	**D**
	Tdf (-20...100°C)	**(-4...+212 °F)**	**E**	**E**
	a (0...600g/m3)	**(0...262 gr/ft3)**	**F**	**F**
	Tw (0...100°C)	**(+32...+212°F)**	**G**	**G**
	x (0...500g/kg d.a)	**(0...3500gr/lb)**	**H**	**H**
	h (-40...1500 kJ/kg)	**(-9.5...+652.6 Btu/lb)**	**J**	**J**
	ppm (0…5000)	**(0…5000)**	**K**	**K**
	pw (0…1000 hPa)	**(0…14.5psi)**	**L**	**L**
	pws (0…1000 hPa)	**(0…14.5psi)**	**M**	**M**
	dT (-10...+50 °C)	**(14...+122 °F)**	**N**	**N**
SPECIAL Define quantity	**Ch1:_____ Ch2:_____ Optional Ch3:_____**		**X**	**X**
Define scale	**Ch1:_____ Ch2:_____ Optional Ch3:_____**			
		Channel 1		
		Channel 2		
		Channel 3, choose A if not needed		
Analog output range for temperature	**No temperature output**			**A**
	-40...+60°C	**(-40...+140°F)**		**B**
	-40...+80°C	**(-40...+176°F)**		**C**
Note:	**-20...+60°C**	**(-4...+140°F)**		**F**
- Choose option A, if no	**-20...+80°C**	**(-4...+176°F)**		**G**
T output is desired	**0...+60°C**	**(+32...+140°F)**		**K**
	Special	**:_____**		**X**
Output units	**Metric**			**1**
	Non-metric			**2**
Option for module slot 1	**No module**			**0**
	Relay output			1
	RS-485 serial interface (galvanically isolated)			2
Option for module slot 2	**No module**			**0**
	Relay output			1
	3rd Analog output	*Choose also analog output signal for Ch3*		3
Cable bushings	**Cable gland M20*1.5**			**A**
	Conduit fitting NPT1/2"			**B**
	8-pole connector with 5m cable (not possible with Universal AC power option)			C
	8-pole counter connector equipped with screw terminals (not possible with Universal AC power option)			D
Transmitter installation	**Normal mounting**			**0**
	Wall mounting plate			1
	Pole installation kit			2
	Pole installation kit with rain shield			3
	DIN rail kit			4
Humidity sensor type	**General purpose**	**HUMICAP180**		**1**
	Special sensor for high chemical concentrations	**HUMICAP180L2**		**2**
	Chemical purge	*HUMICAP180C*		4
Sensor protection	**PPS plastic grid & stainless steel netting**			**A**
	PPS plastic grid			**B**
	Sintered stainless steel filter			**C**
Installation kit for probe	**No kit**			**A**
	Duct installation kit			C
	Cable gland AGRO			D
Operating manual language	**No manual**			**A**
	English			**B**
PC Accessories	**No**			**A**
	Service cable for PC			B
	MI70LINK software for Windows® + service cable for PC			C
Calibration / Calibration contract	**ISO9001 compliant factory calibration / No calibration contract**			**A**
	ISO 9001 compliant calibration 3 years			B
	ISO 9001 compliant calibration 5 years			C
	ISO 17025 Accredited calibration, 7 points (RH) (replaces standard factory calibration)			D
	ISO 17025 Accredited calibration, 7 points (RH) 3 years (calibration contract)			E
	ISO 17025 Accredited calibration, 7 points (RH) 5 years (calibration contract)			F
	ISO 17025 Accredited calibration, 7 points (RH+T) (replaces standard factory calibration)			G
	ISO 17025 Accredited calibration, 7 points (RH+T) 3 years (calibration contract)			H
	ISO 17025 Accredited calibration, 7 points (RH+T) 5 years (calibration contract)			J
Additional Maintenance	**No maintenance and repair contract**			**1**
	Maintenance and repair contract 3 years			2
	Maintenance and repair contract 5 years			3

* Additional maintenance contract can be chosen only if calibration contract is also chosen for the same time period

	PRICE
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:

HMT330	**3**	**E**	**0**	**A**	**1**	**0**	**1**	**B**	**C**	**A**	**F**	**1**	**0**	**0**	**A**	**0**	**1**	**A**	**A**	**B**	**A**	**A**	**1**

End customer: _____

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Order form
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Valid from 17th September 2004
Order no. _____

HMT334 Humidity and Temperature Transmitter

For pressurized processes

Vaisala HUMICAP® Humidity and Temperature Transmitter			**HMT330**	**4 0**
Transmitter type	**HMT334**			**4**
Cable lenght	**2 m cable**			**H**
	5 m cable			J
	10 m cable			K
No additional temperature probe				**0**
Parameters	**RH+T**			**A**
	RH+T+Td+Tdf+a+x+Tw+ppm+pw+pws+h+dT			B
Display	**No display**			**0**
	Graphic LCD with backlight			1
Power supply	**10...35 VDC , 24 VAC**			**0**
	Galvanic isolation for outputs 10...35 VDC , 24 VAC			1
	Universal AC -power (100....240 VAC)			2
Signal output	**Analog output channel (Ch1&Ch2&Ch3)**	**4... 20 mA**		**1**
	Analog output channel (Ch1&Ch2&Ch3)	**0... 20 mA**		**2**
	Analog output channel (Ch1&Ch2&Ch3)	**0... 1 V**		**3**
	Analog output channel (Ch1&Ch2&Ch3)	**0... 5 V**		**4**
	Analog output channel (Ch1&Ch2&Ch3)	**0... 10 V**		**5**
	+ Serial interface RS232 or optional communication module			
Analog output signals for Ch1 , Ch2 and Ch3	**No 3rd analog output**			**A**
	RH	**(0... 100%RH)**		**B B**
	T	**(range: see below)**		**C C**
	Td (-20...100°C)	**(-4...+212 °F)**		**D D**
	Tdf (-20...100°C)	**(-4...+212 °F)**		**E E**
	a (0...600g/m3)	**(0...262 gr/ft3)**		**F F**
	Tw (0...100°C)	**(+32...+212°F)**		**G G**
	x (0...500g/kg d.a)	**(0...3500gr/lb)**		**H H**
	h (-40...1500 kJ/kg)	**(-9.5...+652.6 Btu/lb)**		**J J**
	ppm (0…5000)	**(0…5000)**		**K K**
	pw (0…1000 hPa)	**(0…14.5psi)**		**L L**
	pws (0…1000 hPa)	**(0…14.5psi)**		**M M**
	dT (-10...+50 °C)	**(14...+122 °F)**		**N N**
SPECIAL Define quantity	**Ch1:_____ Ch2:_____ Optional Ch3:_____**			**X X**
Define scale	**Ch1:_____ Ch2:_____ Optional Ch3:_____**			
		Channel 1		
		Channel 2		
		Channel 3, choose A, if not needed		
Analog output range for temperature	**No temperature output**			**A**
	-40...+60°C	(-40...+140°F)		**B**
	-40...+80°C	(-40...+176°F)		**C**
Note:	**-40...+120°C**	(-40...+248°F)		**D**
- Choose option A, if no	**-40...+180°C**	(-40...+356°F)		**E**
T output is desired	**-20...+60°C**	(-4...+140°F)		**F**
	-20...+80°C	(-4...+176°F)		**G**
	-20...+120°C	(-4...+248°F)		**H**
	-20...+180°C	(-4...+356°F)		**J**
	0...+60°C	(+32...+140°F)		**K**
	0...+100°C	(+32...+ 212°F)		**L**
	0...+120°C	(+32...248°F)		**M**
	0...+180°C	(+32...356°F)		**N**
	-60...60 °C	(-76...+140°F)		**P**
	Special	**:_____**		**X**
Output units	**Metric**			**1**
	Non-metric			**2**
Option for module slot 1	**No module**			**0**
	Relay output			1
	RS-485 serial interface (galvanically isolated)			2
Option for module slot 2	**No module**			**0**
	Relay output			1
	3rd Analog output	*Choose also analog output signal for Ch3*		3
Cable bushings	**Cable gland M20*1.5**			**A**
	Conduit fitting NPT1/2"			**B**
	8-pole connector with 5m cable (not possible with Universal AC power option)			C
	8-pole counter connector equipped with screw terminals (not possible with Universal AC power option)			D
Transmitter installation	**Normal mounting**			**0**
	Wall mounting plate			1
	Pole installation kit			2
	Pole installation kit with rain shield			3
	DIN rail kit			4
Humidity sensor type	**General purpose**		**HUMICAP180**	**1**
	Special sensor for high chemical concentrations		**HUMICAP180L2**	**2**
	Chemical purge		*HUMICAP180C*	4
Sensor protection	**PPS plastic grid & stainless steel netting**			**A**
	PPS plastic grid			**B**
	Sintered stainless steel filter			**C**
	Stainless steel grid			**D**
Installation kit for probe	**Fitting body M22 x 1,5**			**E**
	Fitting body NPT 1/2"			**F**
Operating manual language	**No manual**			**A**
	English			**B**
PC Accessories	**No**			**A**
	Service cable for PC			B
	MI70LINK software for Windows® + service cable for PC			C
Calibration / Calibration contract	**ISO9001 compliant factory calibration / No calibration contract**			**A**
	ISO 9001 compliant calibration 3 years			B
	ISO 9001 compliant calibration 5 years			C
	ISO 17025 Accredited calibration, 7 points (RH) (replaces standard factory calibration)			D
	ISO 17025 Accredited calibration, 7 points (RH) 3 years (calibration contract)			E
	ISO 17025 Accredited calibration, 7 points (RH) 5 years (calibration contract)			F
	ISO 17025 Accredited calibration, 7 points (RH+T) (replaces standard factory calibration)			G
	ISO 17025 Accredited calibration, 7 points (RH+T) 3 years (calibration contract)			H
	ISO 17025 Accredited calibration, 7 points (RH+T) 5 years (calibration contract)			J
Additional Maintenance	**No maintenance and repair contract**			**1**
	Maintenance and repair contract 3 years			2
	Maintenance and repair contract 5 years			3

* Additional maintenance contract can be chosen only if calibration contract is also chosen for the same time period

	PRICE
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:

HMT330	4	H	0	A	1	0	1	B	C	A	A	1	0	0	A	0	1	A	E	B	A	A	1

End customer: _____

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Order form
Purchaser _____

Valid from 17th September 2004
Order no. _____

HMT335 Humidity and Temperature Transmitter

For high temperatures

Vaisala HUMICAP® Humidity and Temperature Transmitter			**HMT330**	**5**	PRICE
Transmitter type	**HMT335**			**5**	
Cable lenght	**2 m cable**			**L**	
	5 m cable			M	
	10 m cable			N	
No additional temperature probe				**0**	
Parameters	**RH+T**			**A**	
	RH+T+Td+Tdf+a+x+Tw+ppm+pw+pws+h+dT			B	
Display	**No display**			**0**	
	Graphic LCD with backlight			1	
Power supply	**10...35 VDC , 24 VAC**			**0**	
	Galvanic isolation for outputs 10...35 VDC , 24 VAC			1	
	Universal AC -power (100....240 VAC)			2	
Signal output	**Analog output channel (Ch1&Ch2&Ch3)**	**4... 20 mA**		**1**	
	Analog output channel (Ch1&Ch2&Ch3)	**0... 20 mA**		**2**	
	Analog output channel (Ch1&Ch2&Ch3)	**0... 1 V**		**3**	
	Analog output channel (Ch1&Ch2&Ch3)	**0... 5 V**		**4**	
	Analog output channel (Ch1&Ch2&Ch3)	**0... 10 V**		**5**	
	+ Serial interface RS232 or optional communication module				
Analog output signals for Ch1 , Ch2 and Ch3	**No 3rd analog output**		**A**	**B**	**A**
	RH	**(0... 100%RH)**	**B**	**C**	B
	T	**(range: see below)**	**C**	**D**	C
	Td (-20...100°C)	**(-4...+212 °F)**	**D**	**E**	D
	Tdf (-20...100°C)	**(-4...+212 °F)**	**E**	**F**	E
	a (0...600g/m3)	**(0...262 gr/ft3)**	**F**	**G**	F
	Tw (0...100°C)	**(+32...+212°F)**	**G**	**H**	G
	x (0...500g/kg d.a)	**(0...3500gr/lb)**	**H**	**J**	H
	h (-40...1500 kJ/kg)	**(-9.5...+652.6 Btu/lb)**	**J**	**K**	J
	ppm (0…5000)	**(0…5000)**	**K**	**L**	K
	pw (0…1000 hPa)	**(0…14.5psi)**	**L**	**M**	L
	pws (0…1000 hPa)	**(0…14.5psi)**	**M**	**N**	M
	dT (-10...+50 °C)	**(14...+122 °F)**	**N**	**N**	N
SPECIAL Define quantity	**Ch1:**_____	**Ch2:**_____ **Optional Ch3:**_____	**X**	**X**	X
Define scale	**Ch1:**_____	**Ch2:**_____ **Optional Ch3:**_____			
		Channel 1			
		Channel 2			
		Channel 3, choose A, if not needed			
Analog output range for temperature	**No temperature output**				**A**
	-40...+60°C	(-40...+140°F)			**B**
	-40...+80°C	(-40...+176°F)			**C**
Note:	**-40...+120°C**	(-40...+248°F)			**D**
- Choose option A, if no T output is desired	**-40...+180°C**	(-40...+356°F)			**E**
	-20...+60°C	(-4...+140°F)			**F**
	-20...+80°C	(-4...+176°F)			**G**
	-20...+120°C	(-4...+248°F)			**H**
	-20...+180°C	(-4...+356°F)			**J**
	0...+60°C	(+32...+140°F)			**K**
	0...+100°C	(+32...+ 212°F)			**L**
	0...+120°C	(+32...248°F)			**M**
	0...+180°C	(+32...356°F)			**N**
	-60...60 °C	(-76...+140°F)			**P**
	Special	**:**_____			**X**
Output units	**Metric**				**1**
	Non-metric				**2**
Option for module slot 1	**No module**				**0**
	Relay output				1
	RS-485 serial interface (galvanically isolated)				2
Option for module slot 2	**No module**				**0**
	Relay output				1
	3rd Analog output	*Choose also analog output signal for Ch3*			3
Cable bushings	**Cable gland M20*1.5**				**A**
	Conduit fitting NPT1/2"				**B**
	8-pole connector with 5m cable (not possible with Universal AC power option)				C
	8-pole counter connector equipped with screw terminals (not possible with Universal AC power option)				D
Transmitter installation	**Normal mounting**				**0**
	Wall mounting plate				1
	Pole installation kit				2
	Pole installation kit with rain shield				3
	DIN rail kit				4
Humidity sensor type	**General purpose**	**HUMICAP180**			**1**
	Special sensor for high chemical concentrations	**HUMICAP180L2**			**2**
	Chemical purge	*HUMICAP180C*			4
Sensor protection in probe	**PPS plastic grid & stainless steel netting**				**A**
	PPS plastic grid				**B**
	Sintered stainless steel filter				**C**
	Stainless steel grid				**D**
Installation kit for probe	**No kit**				**A**
	Mounting flange				G
Operating manual language	**No manual**				**A**
	English				**B**
PC Accessories	**No**				**A**
	Service cable for PC				B
	MI70LINK software for Windows® + service cable for PC				C
Calibration / Calibration contract	**ISO9001 compliant factory calibration / No calibration contract**				**A**
	ISO 9001 compliant calibration 3 years				B
	ISO 9001 compliant calibration 5 years				C
	ISO 17025 Accredited calibration, 7 points (RH) (replaces standard factory calibration)				D
	ISO 17025 Accredited calibration, 7 points (RH) 3 years (calibration contract)				E
	ISO 17025 Accredited calibration, 7 points (RH) 5 years (calibration contract)				F
	ISO 17025 Accredited calibration, 7 points (RH+T) (replaces standard factory calibration)				G
	ISO 17025 Accredited calibration, 7 points (RH+T) 3 years (calibration contract)				H
	ISO 17025 Accredited calibration, 7 points (RH+T) 5 years (calibration contract)				J
Additional Maintenance	**No maintenance and repair contract**				**1**
	Maintenance and repair contract 3 years				2
	Maintenance and repair contract 5 years				3
* Additional maintenance contract can be chosen only if calibration contract is also chosen for the same time period					
					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:

HMT330	5	L	0	A	1	0	1	B	C	A	B	1	0	0	A	0	1	A	A	B	A	A	1

End customer: _____

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Order form
Purchaser _____

Valid from 17th September 2004
Order no. _____

HMT337 Humidity and Temperature Transmitter

For high humidities

Vaisala HUMICAP® Humidity and Temperature Transmitter	**HMT330**		**7**	PRICE
Transmitter type	**HMT337**		**7**	
Cable lenght	**2 m cable**		**S**	
	5 m cable		T	
	10 m cable		U	
Additional temperature probe	**No probe**		**0**	
Parameters	**RH+T**		**A**	
	RH+T+Td+Tdf+a+x+Tw+ppm+pw+pws+h+dT		B	
Display	**No display**		**0**	
	Graphic LCD with backlight		1	
Power supply	**10...35 VDC , 24 VAC**		**0**	
	Galvanic isolation for outputs 10...35 VDC , 24 VAC		1	
	Universal AC -power (100....240 VAC)		2	
Signal output	**Analog output channel (Ch1&Ch2&Ch3)**	**4... 20 mA**	**1**	
	Analog output channel (Ch1&Ch2&Ch3)	**0... 20 mA**	**2**	
	Analog output channel (Ch1&Ch2&Ch3)	**0... 1 V**	**3**	
	Analog output channel (Ch1&Ch2&Ch3)	**0... 5 V**	**4**	
	Analog output channel (Ch1&Ch2&Ch3)	**0... 10 V**	**5**	
	+ Serial interface RS232 or optional communication module			
Analog output signals for Ch1 , Ch2 and Ch3	**No 3rd analog output**		**A**	
	RH	**(0... 100%RH)**	**B**	B
	T	**(range : see below)**	**C**	C
	Td (-20...100°C)	**(-4...+212 °F)**	**D**	D
	Tdf (-20...100°C)	**(-4...+212 °F)**	**E**	E
	a (0...600g/m3)	**(0...262 gr/ft3)**	**F**	F
	Tw (0...100°C)	**(+32...+212°F)**	**G**	G
	x (0...500g/kg d.a)	**(0...3500gr/lb)**	**H**	H
	h (-40...1500 kJ/kg)	**(-9.5...+652.6 Btu/lb)**	**J**	J
	ppm (0…5000)	**(0…5000)**	**K**	K
	pw (0…1000 hPa)	**(0…14.5psi)**	**L**	L
	pws (0…1000 hPa)	**(0…14.5psi)**	**M**	M
	dT (-10...+50 °C)	**(14...+122 °F)**	**N**	N
SPECIAL	**Define quantity**	**Ch1:_____ Ch2:_____ Optional Ch3:_____**	**X**	X
	Define scale	**Ch1:_____ Ch2:_____ Optional Ch3:_____**		
		Channel 1		
		Channel 2		
		Channel 3, choose A, if not needed		
Analog output range for temperature	**No temperature output**		**A**	
	-40...+60°C	(-40...+140°F)	**B**	
	-40...+80°C	(-40...+176°F)	**C**	
Note:	**-40...+120°C**	(-40...+248°F)	**D**	
- Choose option A, if no T output is desired	**-40...+180°C**	(-40...+356°F)	**E**	
	-20...+60°C	(-4...+140°F)	**F**	
	-20...+80°C	(-4...+176°F)	**G**	
	-20...+120°C	(-4...+248°F)	**H**	
	-20...+180°C	(-4...+356°F)	**J**	
	0...+60°C	(+32...+140°F)	**K**	
	0...+100°C	(+32...+ 212°F)	**L**	
	0...+120°C	(+32...248°F)	**M**	
	0...+180°C	(+32...356°F)	**N**	
	-60...60 °C	(-76...+140°F)	**P**	
	Special	:_____	**X**	
Output units	**Metric**		**1**	
	Non-metric		**2**	
Option for module slot 1	**No module**		**0**	
	Relay output		1	
	RS-485 serial interface (galvanically isolated)		2	
Option for module slot 2	**No module**		**0**	
	Relay output		1	
	3rd Analog output	*Choose also analog output signal for Ch3*	3	
Cable bushings	**Cable gland M20*1.5**		**A**	
	Conduit fitting NPT1/2"		**B**	
	8-pole connector with 5m cable (not possible with Universal AC power option)		C	
	8-pole counter connector equipped with screw terminals (not possible with Universal AC power option)		D	
Transmitter installation	**Normal mounting**		**0**	
	Wall mounting plate		1	
	Pole installation kit		2	
	Pole installation kit with rain shield		3	
	DIN rail kit		4	
Humidity sensor type	**General purpose**	**HUMICAP180**	**1**	
	Special sensor for high chemical concentrations	**HUMICAP180L2**	**2**	
	Chemical purge	*HUMICAP180C*	4	
Sensor protection	**PPS plastic grid & stainless steel netting**		**A**	
	PPS plastic grid		**B**	
	Sintered stainless steel filter		**C**	
	Stainless steel grid		**D**	
Installation kit for probe	**No kit**		**A**	
	Cable gland AGRO		D	
	Duct installation kit		H	
	Swagelok NPT 1/2"		K	
	Swagelok ISO 3/8"		L	
Operating manual language	**No manual**		**A**	
	English		**B**	
PC Accessories	**No**		**A**	
	Service cable for PC		B	
	MI70LINK software for Windows® + service cable for PC		C	
Calibration / Calibration contract	**ISO9001 compliant factory calibration / No calibration contract**		**A**	
	ISO 9001 compliant calibration 3 years		B	
	ISO 9001 compliant calibration 5 years		C	
	ISO 17025 Accredited calibration, 7 points (RH) (replaces standard factory calibration)		D	
	ISO 17025 Accredited calibration, 7 points (RH) 3 years (calibration contract)		E	
	ISO 17025 Accredited calibration, 7 points (RH) 5 years (calibration contract)		F	
	ISO 17025 Accredited calibration, 7 points (RH+T) (replaces standard factory calibration)		G	
	ISO 17025 Accredited calibration, 7 points (RH+T) 3 years (calibration contract)		H	
	ISO 17025 Accredited calibration, 7 points (RH+T) 5 years (calibration contract)		J	
Additional Maintenance	**No maintenance and repair contract**		**1**	
	Maintenance and repair contract 3 years		2	
	Maintenance and repair contract 5 years		3	
* Additional maintenance contract can be chosen only if calibration contract is also chosen for the same time period				
			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:

HMT330	7	S	0	A	1	0	1	B	C	A	B	1	0	0	A	0	1	A	A	B	A	A	1

End customer: _____

VAISALA

Order form
Purchaser _____

Valid from 17th September 2004
Order no. _____

HMT337 Humidity and Temperature Transmitter with warmed probe

For high humidities

Vaisala HUMICAP® Humidity and Temperature Transmitter			**HMT330**	**7**
Transmitter type	**HMT337**			**7**
Cable lenght (dew point probe)	**2 m cable**			**S**
	5 m cable			T
	10 m cable			U
Additional temperature probe	**No probe**			**0**
	2 m cable			1
	5 m cable			2
	10 m cable			3
Parameters	**Td+Tdf+x**	*(dew point probe only)*		**C**
	RH+T+Td+Tdf+a+x+Tw+ppm+pw+pws+h+dT	*(with additional T probe)*		D
Display	**No display**			**0**
	Graphic LCD with backlight			1
Power supply	**10...35 VDC , 24 VAC**			**0**
	Galvanic isolation for outputs 10...35 VDC , 24 VAC			1
	Universal AC -power (100....240 VAC)			2
Signal output	**Analog output channel (Ch1&Ch2&Ch3)**	**4... 20 mA**		**1**
	Analog output channel (Ch1&Ch2&Ch3)	**0... 20 mA**		**2**
	Analog output channel (Ch1&Ch2&Ch3)	**0... 1 V**		**3**
	Analog output channel (Ch1&Ch2&Ch3)	**0... 5 V**		**4**
	Analog output channel (Ch1&Ch2&Ch3)	**0... 10 V**		**5**
	+ Serial interface RS232 or optional communication module			
Analog output signals for Ch1 , Ch2 and Ch3	**No 3rd analog output**			**A**
	RH	**(0... 100%RH)**	**B**	**B** B
	T	**(range: see below)**	**C**	**C** C
(ref. to parameters selection above)	**Td (-20...100°C)**	**(-4...+212 °F)**	**D**	**D** D
	Tdf (-20...100°C)	**(-4...+212 °F)**	**E**	**E** E
	a (0...600g/m3)	**(0...262 gr/ft3)**	**F**	**F** F
	Tw (0...100°C)	**(+32...+212°F)**	**G**	**G** G
	x (0...500g/kg d.a)	**(0...3500gr/lb)**	**H**	**H** H
	h (-40...1500 kJ/kg)	**(-9.5...+652.6 Btu/lb)**	**J**	**J** J
	ppm (0…5000)	**(0…5000)**	**K**	**K** K
	pw (0…1000 hPa)	**(0…14.5psi)**	**L**	**L** L
	pws (0…1000 hPa)	**(0…14.5psi)**	**M**	**M** M
	dT (-10...+50 °C)	**(14...+122 °F)**	**N**	**N** N
SPECIAL Define quantity	**Ch1:_____**	**Ch2:_____**	**Optional Ch3:_____**	**X** **X** X
Define scale	**Ch1:_____**	**Ch2:_____**	**Optional Ch3:_____**	
		Channel 1		
		Channel 2		
		Channel 3, choose A, if not needed		
Analog output range for temperature	**No temperature output**			**A**
	-40...+60°C	(-40...+140°F)		**B**
	-40...+80°C	(-40...+176°F)		**C**
NOTE:	**-40...+120°C**	(-40...+248°F)		**D**
- Choose option A, if no T output is desired	**-40...+180°C**	(-40...+356°F)		**E**
	-20...+60°C	(-4...+140°F)		**F**
	-20...+80°C	(-4...+176°F)		**G**
	-20...+120°C	(-4...+248°F)		**H**
	-20...+180°C	(-4...+356°F)		**J**
	0...+60°C	(+32...+140°F)		**K**
	0...+100°C	(+32...+ 212°F)		**L**
	0...+120°C	(+32...248°F)		**M**
	0...+180°C	(+32...356°F)		**N**
	-60...60 °C	(-76...+140°F)		**P**
	Special	**:_____**		**X**
Output units	**Metric**			**1**
	Non-metric			**2**
Option for module slot 1	**No module**			**0**
	Relay output			1
	RS-485 serial interface (galvanically isolated)			2
Option for module slot 2	**No module**			**0**
	Relay output			1
	3rd Analog output	*Choose also analog output signal for Ch3*		3
Cable bushings	**Cable gland M20*1.5**			**A**
	Conduit fitting NPT1/2"			**B**
	8-pole connector with 5m cable (not possible with Universal AC power option)			C
	8-pole counter connector equipped with screw terminals (not possible with Universal AC power option)			D
Transmitter installation	**Normal mounting**			**0**
	Wall mounting plate			1
	Pole installation kit			2
	Pole installation kit with rain shield			3
	DIN rail kit			4
Humidity sensor type	**Composite sensor**	**HUMICAP180C**		**5**
	Composite sensor with chemical purge	**HUMICAP180C**		**6**
Sensor protection	**PPS plastic grid & stainless steel netting**			**A**
	Sintered stainless steel filter			**C**
	Stainless steel grid			**D**
Installation kit for probe	**No kit**			**A**
	Duct installation kit			H
	Swagelok NPT 1/2"			K
	Swagelok ISO 3/8"			L
Operating manual language	**No manual**			**A**
	English			**B**
PC Accessories	**No**			**A**
	Service cable for PC			B
	MI70LINK software for Windows® + service cable for PC			C
Calibration / Calibration contract	**ISO9001 compliant factory calibration / No calibration contract**			**A**
	ISO 9001 compliant calibration 3 years			B
	ISO 9001 compliant calibration 5 years			C
	ISO 17025 Accredited calibration, 7 points (RH) (replaces standard factory calibration)			D
	ISO 17025 Accredited calibration, 7 points (RH) 3 years (calibration contract)			E
	ISO 17025 Accredited calibration, 7 points (RH) 5 years (calibration contract)			F
	ISO 17025 Accredited calibration, 7 points (RH+T) (replaces standard factory calibration)			G
	ISO 17025 Accredited calibration, 7 points (RH+T) 3 years (calibration contract)			H
	ISO 17025 Accredited calibration, 7 points (RH+T) 5 years (calibration contract)			J
Additional Maintenance	**No maintenance and repair contract**			**1**
	Maintenance and repair contract 3 years			2
	Maintenance and repair contract 5 years			3

* Additional maintenance contract can be chosen only if calibration contract is also chosen for the same time period

	PRICE
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:

HMT330	7	S	1	D	1	0	1	B	C	A	B	1	0	0	A	0	5	A	A	B	A	A	1

End customer: _____

VAISALA

Order form
Purchaser _____

Valid from 17th September 2004
Order no. _____

HMT338 Humidity and Temperature Transmitter

For pressurized pipelines

Vaisala HUMICAP® Humidity and Temperature Transmitter			**HMT330**	**8**
Transmitter type	**HMT338**			**8**
Cable lenght	**2 m cable for 232 mm probe**			**V**
	5 m cable for 232 mm probe			W
	10 m cable for 232 mm probe			X
	2 m cable for 454 mm probe			1
	5 m cable for 454 mm probe			2
	10 m cable for 454 mm probe			3
No additional temperature probe				**0**
Parameters	**RH+T**			**A**
	RH+T+Td+Tdf+a+x+Tw+ppm+pw+pws+h+dT			B
Display	**No display**			**0**
	Graphic LCD with backlight			1
Power supply	**10...35 VDC , 24 VAC**			**0**
	Galvanic isolation for outputs 10...35 VDC , 24 VAC			1
	Universal AC -power (100....240 VAC)			2
Signal output	**Analog output channel (Ch1&Ch2&Ch3)**	**4... 20 mA**		**1**
	Analog output channel (Ch1&Ch2&Ch3)	**0... 20 mA**		**2**
	Analog output channel (Ch1&Ch2&Ch3)	**0... 1 V**		**3**
	Analog output channel (Ch1&Ch2&Ch3)	**0... 5 V**		**4**
	Analog output channel (Ch1&Ch2&Ch3)	**0... 10 V**		**5**
	+ Serial interface RS232 or optional communication module			
Analog output signals for Ch1 , Ch2 and Ch3	**No 3rd analog output**		**A**	**A**
	RH	**(0... 100%RH)**	**B**	**B**
	T	**(range: see below)**	**C**	**C**
	Td (-20...100°C)	**(-4...+212 °F)**	**D**	**D**
	Tdf (-20...100°C)	**(-4...+212 °F)**	**E**	**E**
	a (0...600g/m3)	**(0...262 gr/ft3)**	**F**	**F**
	Tw (0...100°C)	**(+32...+212°F)**	**G**	**G**
	x (0...500g/kg d.a)	**(0...3500gr/lb)**	**H**	**H**
	h (-40...1500 kJ/kg)	**(-9.5...+652.6 Btu/lb)**	**J**	**J**
	ppm (0…5000)	**(0…5000)**	**K**	**K**
	pw (0…1000 hPa)	**(0…14.5psi)**	**L**	**L**
	pws (0…1000 hPa)	**(0…14.5psi)**	**M**	**M**
	dT (-10...+50 °C)	**(14...+122 °F)**	**N**	**N**
SPECIAL	**Define quantity**	**Ch1:_____ Ch2:_____ Optional Ch3:_____**	**X**	**X**
	Define scale	**Ch1:_____ Ch2:_____ Optional Ch3:_____**		
		Channel 1		
		Channel 2		
		Channel 3, choose A, if not needed		
Analog output range for temperature	**No temperature output**		**A**	
	-40...+60°C	(-40...+140°F)	**B**	
	-40...+80°C	(-40...+176°F)	**C**	
Note:	**-40...+120°C**	(-40...+248°F)	**D**	
- Choose option A, if no T output is desired	**-40...+180°C**	(-40...+356°F)	**E**	
	-20...+60°C	(-4...+140°F)	**F**	
	-20...+80°C	(-4...+176°F)	**G**	
	-20...+120°C	(-4...+248°F)	**H**	
	-20...+180°C	(-4...+356°F)	**J**	
	0...+60°C	(+32...+140°F)	**K**	
	0...+100°C	(+32...+ 212°F)	**L**	
	0...+120°C	(+32...248°F)	**M**	
	0...+180°C	(+32...356°F)	**N**	
	-60...60 °C	(-76...+140°F)	**P**	
	Special	:_____	**X**	
Output units	**Metric**			**1**
	Non-metric			**2**
Option for module slot 1	**No module**			**0**
	Relay output			1
	RS-485 serial interface (galvanically isolated)			2
Option for module slot 2	**No module**			**0**
	Relay output			1
	3rd Analog output	*Choose also analog output signal for Ch3*		3
Cable bushings	**Cable gland M20*1.5**			**A**
	Conduit fitting NPT1/2"			**B**
	8-pole connector with 5m cable (not possible with Universal AC power option)			C
	8-pole counter connector equipped with screw terminals (not possible with Universal AC power option)			D
Transmitter installation	**Normal mounting**			**0**
	Wall mounting plate			1
	Pole installation kit			2
	Pole installation kit with rain shield			3
	DIN rail kit			4
Humidity sensor type	**General purpose**	**HUMICAP180**		**1**
	Special sensor for high chemical concentrations	**HUMICAP180L2**		**2**
	Composite sensor with chemical purge	*HUMICAP180C*		4
Sensor protection	**PPS plastic grid & stainless steel netting**			**A**
	PPS plastic grid			**B**
	Sintered stainless steel filter			**C**
	Stainless steel grid			**D**
Installation kit for probe	**No kit**			**A**
	Ball valve set			M
	Pressure fitting NPT 1/2"			N
Operating manual language	**No manual**			**A**
	English			**B**
PC Accessories	**No PC Accessories**			**A**
	Service cable for PC			B
	MI70LINK software for Windows® + service cable for PC			C
Calibration / Calibration contract	**ISO9001 compliant factory calibration / No calibration contract**			**A**
	ISO 9001 compliant calibration 3 years			B
	ISO 9001 compliant calibration 5 years			C
	ISO 17025 Accredited calibration, 7 points (RH) (replaces standard factory calibration)			D
	ISO 17025 Accredited calibration, 7 points (RH) 3 years (calibration contract)			E
	ISO 17025 Accredited calibration, 7 points (RH) 5 years (calibration contract)			F
	ISO 17025 Accredited calibration, 7 points (RH+T) (replaces standard factory calibration)			G
	ISO 17025 Accredited calibration, 7 points (RH+T) 3 years (calibration contract)			H
	ISO 17025 Accredited calibration, 7 points (RH+T) 5 years (calibration contract)			J
Additional Maintenance	**No maintenance and repair contract**			**1**
	Maintenance and repair contract 3 years			2
	Maintenance and repair contract 5 years			3

* Additional maintenance contract can be chosen only if calibration contract is also chosen for the same time period

	PRICE
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:

HMT330	8	V	0	A	1	0	1	B	C	A	B	1	0	0	A	0	1	A	A	B	A	A	1

End customer: _____