VAISALA

HMT310

Premium Humidity and Temperature Transmitter with metal enclosure

				Sparepart	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
	Premium Humidity and Temperature Transmitter with metal enclosure			HMT310				A											1		
hardware	1 Probe Code	•	*HMT311 Wall type transmitter*		*1*																
		•	*HMT313 for duct mounting or outdoor mounting*		*3*																
		•	*HMT314 for High Pressure up to 100 bar and vacuum conditions*		*4*																
		•	*HMT315 for high temperature up to 180°C*		*5*																
		•	*HMT317 for high humidity (warmed probe optional)*		*7*																
		•	*HMT318 for pressure up to 40 bar*		*8*																
		•	*HMT31F for high humidity with extended heating (for fuel cell)*		*F*																
	2 Transmitter Type		**Non-warmed probe, parameters RH+T+Td+a+Tw+x+h+pws available**			**B**															
			Warmed probe, parameters Td+Tdf+x available[1]			**C**															
	3 Mounting Plate		**Standard Mounting Plate**				**5**														
			Mounting Plate Without Flange				**6**	**A**													
settings	5 Analog Output Signal		**4...20mA**						**1**												
			0...20mA						**2**												
			0...5V						**4**												
			0...10V						**5**												
			1...5V						**J**												
	6 Analog Output Parameters for CH1		**No Analog Outputs**							**A**	**A**										
	7 Analog Output Parameters for CH2		**RH 0...100%RH**							**B**	**B**										
			T (range selected separately)							**C**	**C**										
			Td -40...+60°C (-40...140°F)							**D**	**D**										
			Tdf -40...+60 °C (-40...140°F)							**E**	**E**										
			A 0...160g/m3 (0...69.9gr/ft3)							**F**	**F**										
			X 0...160 g/kg (0...1120gr/lb)							**G**	**G**										
			Tw 0...+60 °C (+32...+140 °F)							**H**	**H**										
			ppm 0...5000							**J**	**J**										
			pw 0...1000 hPa (0...14.5 psi)							**K**	**K**										
			pws 0...1000 hPa (0...14.5 psi)							**L**	**L**										
			h -40...+1500 kj/kg (-9.5...+652.6 Btu/lb)							**M**	**M**										
			Td -40...+100 °C (-40...212 °F)							**N**	**N**										
			Channel 1 Tdf (-40...100C)							**P**	**P**										
			A 0...500 g/m3 (0...218.5 gr/ft3)							**Q**	**Q**										
			x 0...500 g/kg (0...3500 gr/lb)							**R**	**R**										
			Tw +0...+100 °C (+32...+212°F)							**S**	**S**										
			x +0...+200 g/kg (+0...+1400 gr/lb)							**T**	**T**										
			Special parameter and scale, please specify: _____ / _____							**X**	**X**										
	8 Analog Output Range for Temperature		**No T-Range**									**A**									
			Temperature Range -60...+60C, MET									**B**									
			T -40...+60 °C (-40...+140 °F)									**C**									
			Temperature Range -40...+120C									**D**									
			T -40...+180 °C (-40...+356 °F)									**E**									
			T -20...+60°C (-4...+140 °F)									**F**									
			T -20...+80 °C (-4...+176 °F)									**G**									
			T -20...+120 °C (-4...+248 °F)									**H**									
			T 0...+60 °C (+32...+140 °F)									**J**									
			T 0...+100 °C (+32...+ 212 °F)									**K**									
			T 0...+120 °C (+32...+248 °F)									**M**									
			Temperature Range -40...+200°C (-40...+392°F)									**N**									
			T Special range, please specify: _____									**X**									
	9 Output Units		**Metric Units**										**1**								
			Non Metric Units										**2**								
hardware	10 Cable Connector	•	*8-Pole Connector with 5m Cable*	212142										*4*							
		•	*8-Pole Counter Connector*											*5*							
		•	*8-Pole Connector with 10m Cable*	210964SP										*7*							
			No cable accessories											**8**							
accessory	11 User's Guide		**No User's Guide**												**A**						
			User´s Guide English												**B**						
			User´s Guide German												**C**						
			User´s Guide Japan												**D**						
hardware	12 Probe Type		**HMT311: No Cable, 120 mm probe, max +60 °C**													**A**					
			HMT313 with 2 m Cable, 80 mm probe, max +80 °C													**B**					
		•	*HMT313 with 5 m Cable, 80 mm probe, max +80 °C*													*C*					
		•	*HMT313 with 10 m Cable, 80 mm probe, max +80 °C*													*D*					
			HMT314 with 2 m Cable, 160 mm probe, max 180 °C													**E**					
		•	*HMT314 with 5 m Cable, 160 mm probe, max 180 °C*													*F*					
		•	*HMT314 with 10 m Cable, 160 mm probe, max 180 °C*													*G*					
			HMT315 with 2 m Cable, 240 mm probe, max 180 °C													**H**					
		•	*HMT315 with 5 m Cable, 240 mm probe, max 180 °C*													*J*					
		•	*HMT315 with 10 m Cable, 240 mm probe, max 180 °C*													*K*					
			HMT317 with 2 m Cable, 80 mm probe, max 180 °C													**P**					
		•	*HMT317 with 5 m Cable, 80 mm probe, max 180 °C*													*Q*					
		•	*HMT317 with 10 m Cable, 80 mm probe, max 180 °C*													*R*					
			HMT318 with 2 m Cable, 178 mm probe, max 180 °C													**S**					
		•	*HMT318 with 5 m Cable, 178 mm probe, max 180 °C*													*T*					
		•	*HMT318 with 10 m Cable, 178 mm probe, max 180 °C*													*U*					
		•	*HMT318 with 2 m Cable, 400 mm probe, max 180 °C*													*V*					
		•	*HMT318 with 5 m Cable, 400 mm probe, max 180 °C*													*W*					
		•	*HMT313 with 2 m Cable, 80 mm probe, max +120 °C*													*5*					
		•	*HMT313 with 5 m Cable, 80 mm probe, max +120 °C*													*6*					
		•	*Probe with 10 m Cable, 80 mm probe, max +120°C*													*7*					

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