VAISALA

Vaisala Ultrasonic Wind Sensor
WMT700

				WMT 7 0													
1	Measurement range																
	90 m/s	WMT704		4													
	90 m/s + Accredited Wind Calibration (WMT704)			D													
2	Temperature range																
	-10...+60 C				A												
	-40...+60 C				B												
	-55...+70 C				C												
3	Heating																
	Non-heated version					1											
	Heated transducers					2											
	Heated transducers and arms					3											
	Heated transducers, arms and body					4											
4	Digital communication interface																
	RS-485 isolated						A										
	RS-422 isolated						B										
	RS-232 isolated						C										
	SDI-12 isolated						D										
5	Digital communication profile																
	WMT70 - poll mode	(default)	9600b, 8, N, 1 Polled					0									
	WS425 - ASCII		2400b, 8, N, 1 Polled					1									
	WS425 - NMEA Extended	(v 0183)	9600b, 8, N, 1 Auto send 1/s					2									
	WS425 - SDI-12	(v 1.3)	1200b, 7, E, 1 Polled					3									
	WS425 - ASOS		2400b, 8, N, 1 Polled					4									
	ROSA - MES12		9600b, 8, N, 1 Polled					5									
	AWS520 - NMEA Extended	(v 0183)	4800b, 8, N, 1 Auto send 1/s					8									
6	Digital communication units																
	m/s								A								
	knots								B								
	mph								C								
	km/h								D								
7	Analog output signals for wind speed channel																
	Disabled									0							
	Voltage output		100 mV/m/s							1							
	Current output		4...20 mA	(0...Range m/s)						3							
	Current output		0.2 mA/m/s							4							
	Push-Pull frequency output		10 Hz/m/s							6							
	WS425 - voltage output		8 mV/mph							7							
	WS425 - frequency output (Push-Pull)		5 Hz/mph							8							
	Pull up frequency output (PNP)		10 Hz/m/s							A							
	Pull down frequency output (NPN)		10 Hz/m/s							B							
8	Analog output signals for wind direction channel																
	Disabled										0						
	Voltage output		20 mV/Deg								A						
	Current output		50 uA/Deg								D						
	Current output 4...20 mA		44.444 uA/Deg								E						
	Potentiometer output (WS425)		0...Vref (Vref = external reference voltage from system)								F						
9	Cable																
	None											1						
	Cable 2 m, cable connector, open leads on one end			WMT70Cable1								2						
	Cable 10 m, cable connector, open leads on one end			WMT70Cable2								3						
	MAWS cable 10 m			WMT70Cable3								4						
	AWS520 cable 10 m, shield connected to PE pin			WMT70Cable4								5						
	Adapter cable for WS425 serial			WMT70Cable5								6						
	Adapter cable for WS425 analog frequency output			WMT70Cable6								7						
	RS485 Cable 2 m, cable connector, open leads on one end			WMT70Cable8								8						
	RS485 Cable 10 m, cable connector, open leads on one end			WMT70Cable9								9						
	Adapter cable for WS425 analog voltage output			WMT70Cable7								A						
	AWS520 cable 10 m, shield not connected to PE pin			WMT70Cable10								B						
	ROSA analog cable 10 m, cable connector, open leads on one end			WMT70Cable11								C						
	Junction Box with Cable 2meters			WMT70Cable12								D						
	Cable 15 m, cable connector, open leads on one end			WMT70Cable13								E						
	Cable 26 m, cable connector, open leads on one end			WMT70Cable14								F						
10	Mounting adapter																
	Adapter 228869 only			Standard adapter, no fix									A					
	Adapter 228869 with WMT70FIX70 (suitable also for inverted mounting)			Standard adapter with general purpose fix									B					
	Adapter 228869 with WMT700FIX60-POM			Standard adapter with plastic fix for 60 mm pole									C					
	Adapter 228869 with WMT700FIX60-RST			Standard adapter with stainless steel fix for 60 mm pole									D					
	Adapter 228777 only (used for old WS425 FIX30/60)			WS425 compatible adapter, no fix									E					
11	*Power - Reserved for furture purposes*																
	None													1				
12	Accessories																
	None															A		
	Bird cage			WMT70BirdKit												B		
13	Manual																
	None																1
	English																2
	Japanese																3
	Chinese																4
	Russian																5
	DEIF																6
	French																7
	Spanish																8

For freezing conditions select appropriate combination of heating and temperature ranges.

Accessories

Tool	Verifier		WMT70Verifier
	Cable Tightener Tool		237888SP
Bird	Bird cage		WMT70BirdKit
	Bird perch		WS425BirdPerch
Cable	Cable connector		WMT70Conn
	Cable 2 m, cable connector, open leads on one end		227567SP
	Cable 10 m, cable connector, open leads on one end		227568SP
	Cable 15 m, cable connector, open leads on one end		237890SP
	Cable 26 m, cable connector, open leads on one end		237889SP
	RS485 Cable 2 m, cable connector, open leads on one end		228259SP
	RS485 Cable 10 m, cable connector, open leads on one end		228260SP
	MAWS cable 10 m		227565SP
	AWS520 cable 10 m, shield connected to PE pin		229807SP
	AWS520 cable 10 m, shield not connected to PE pin		227566SP
	ROSA analog cable 10 m, cable connector, open leads on one end		231425SP
	Adapter cable for WS425 serial		227569SP
	Adapter cable for WS425 analog frequency output		227570SP
	Adapter cable for WS425 analog voltage output		227571SP
	Junction Box with Cable 2meters		ASM210719SP
	WMT700 USB service cable		240855
	Universal USB service cable with screw terminal for RS485 or RS232		240884
Mounting	WMT700 Mounting Accessories:		
	Adapter for FIX70		228869
	Fix70 (suitable also for inverted mounting)		WMT70FixSP
	Mounting adapter 60mm POM		WMT700FIX60-POMSP
	Mounting adapter 60mm RST		WMT700FIX60-RSTSP
	Cross-arm (40x40x850mm)		WMT70CROSSARM
	WS425 Mounting Accessories:		
	Adapter for old WS425 FIX30/60		228777
	FIX30		WS425Fix30
	FIX60		WS425Fix60
	Sensor support arm for 60mm pole (655mm with integrated fix for item 228777)		WAC425