

**Vaisala Ultrasonic Wind Sensor  
WMT700**



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WMT 7 0																		
1	Measurement range 40 m/s WMT701 40 m/s + Accredited Wind Calibration (WMT701)	1 A																
2	Temperature range -10...+60 C -40...+60 C -55...+70 C	A B C																
3	Heating Non-heated version Heated transducers Heated transducers and arms Heated transducers, arms and body	1 2 3 4																
4	Digital communication interface RS-485 isolated RS-422 isolated RS-232 isolated SDI-12 isolated	A B C D																
5	Digital communication profile WMT70 - poll mode (default) 9600b, 8, N, 1 Polled WS425 - ASCII 2400b, 8, N, 1 Polled WS425 - NMEA Extended (v 0183) 9600b, 8, N, 1 Auto send 1/s WS425 - SDI-12 (v 1.3) 1200b, 7, E, 1 Polled WS425 - ASOS 2400b, 8, N, 1 Polled ROSA - MES12 9600b, 8, N, 1 Polled AWS520 - NMEA Extended (v 0183) 4800b, 8, N, 1 Auto send 1/s	0 1 2 3 4 5 8																
6	Digital communication units m/s knots mph km/h	A B C D																
7	Analog output signals for wind speed channel Disabled Voltage output 100 mV/m/s Current output 4...20 mA (0...Range m/s) Current output 0.2 mA/m/s Push-Pull frequency output 10 Hz/m/s WS425 - voltage output 8 mV/mph WS425 - frequency output (Push-Pull) 5 Hz/mph Pull up frequency output (PNP) 10 Hz/m/s Pull down frequency output (NPN) 10 Hz/m/s	0 1 3 4 6 7 8 A B																
8	Analog output signals for wind direction channel Disabled Voltage output 20 mV/Deg Current output 50 uA/Deg Current output 4...20 mA 44.444 uA/Deg Potentiometer output (WS425) 0...Vref (Vref = external reference voltage from system)	0 A D E F																
9	Cable None Cable 2 m, cable connector, open leads on one end Cable 10 m, cable connector, open leads on one end MAWS cable 10 m AWS520 cable 10 m, shield connected to PE pin Adapter cable for WS425 serial Adapter cable for WS425 analog frequency output RS485 Cable 2 m, cable connector, open leads on one end RS485 Cable 10 m, cable connector, open leads on one end Adapter cable for WS425 analog voltage output AWS520 cable 10 m, shield not connected to PE pin ROSA analog cable 10 m, cable connector, open leads on one end Junction Box with Cable 2meters Cable 15 m, cable connector, open leads on one end Cable 26 m, cable connector, open leads on one end	1 2 3 4 5 6 7 8 9 A B C D E F																
10	Mounting adapter Adapter 228869 only Adapter 228869 with WMT70FIX70 (suitable also for inverted mounting) Adapter 228869 with WMT700FIX60-POM Adapter 228869 with WMT700FIX60-RST Adapter 228777 only (used for old WS425 FIX30/60)	Standard adapter, no fix Standard adapter with general purpose fix Standard adapter with plastic fix for 60 mm pole Standard adapter with stainless steel fix for 60 mm pole WS425 compatible adapter, no fix	A B C D E															
11	Power - Reserved for future purposes None																	
12	Accessories None Bird cage																	A B
13	Manual None English Japanese Chinese Russian																	

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

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