



Vaisala Ultrasonic Wind Sensor WMT700

WMT 7 0									
1	Measurement range	90 m/s WMT704 90 m/s + Accredited Wind Calibration (WMT704)	4 D						
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) WS425 - ASCII WS425 - NMEA Extended (v 0183) WS425 - SDI-12 (v 1.3) WS425 - ASOS ROSA - MES12 AWS520 - NMEA Extended (v 0183)	9600b, 8, N, 1 Polled 2400b, 8, N, 1 Polled 9600b, 8, N, 1 Auto send 1/s 1200b, 7, E, 1 Polled 2400b, 8, N, 1 Polled 9600b, 8, N, 1 Polled 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 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	WMT70Cable1 WMT70Cable2 WMT70Cable3 WMT70Cable4 WMT70Cable5 WMT70Cable6 WMT70Cable8 WMT70Cable9 WMT70Cable7 WMT70Cable10 WMT70Cable11 WMT70Cable12 WMT70Cable13 WMT70Cable14	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							1
12	Accessories	None Bird cage						A B	
13	Manual	None English Japanese Chinese Russian DEIF French Spanish							1 2 3 4 5 6 7 8

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 WMT700 USB service cable Universal USB service cable with screw terminal for RS485 or RS232	WMT70Conn 227567SP 227568SP 237890SP 237869SP 228259SP 228260SP 227565SP 229807SP 227566SP 231425SP 227569SP 227570SP 227571SP ASM210719SP 240855 240884
Mounting	WMT700 Mounting Accessories: Adapter for FIX70 Fix70 (suitable also for inverted mounting) Mounting adapter 60mm POM Mounting adapter 60mm RST Cross-arm (40x40x850mm) WS425 Mounting Accessories: Adapter for old WS425 FIX30/60 FIX30 FIX60 Sensor support arm for 60mm pole (655mm with integrated fix for item 228777)	228869 WMT70FixSP WMT700FIX60-POMSP WMT700FIX60-RSTSP WMT70CROSSARM 228777 WS425Fix30 WS425Fix60 WAC425