



Vaisala Ultrasonic Wind Sensor
WMT700

Order Form
G010069EN-C
Valid from 2026-05-27

1	Measurement range													
	40 m/s WMT701	1												
	65 m/s WMT702	2												
	75 m/s WMT703	3												
	90 m/s WMT704	4												
	40 m/s + accredited wind calibration (WMT701)	A												
	65 m/s + accredited wind calibration (WMT702)	B												
	75 m/s + accredited wind calibration (WMT703)	C												
	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										
	US AWOS - NMEA Standard	2400b, 8, N, 1 auto send 5/s		6										
	FAA - Federal	9600b, 8, N, 1 polled		7										
	AWS520 - NMEA Extended (v 0183)	4800b, 8, N, 1 auto send 1/s		8										
	Low power mode for AWS310	9600b, 8, N, 1 polled		9										
	MARINE 1 - NMEA Extended (v 0183)	4800b, 8, N, 1 auto send 1/s		A										
	MARINE 2 - NMEA Standard (v 0183)	4800b, 8, N, 1 auto send 1/s		B										
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						3						
8	Analog output signals for wind direction channel													
	Disabled								O					
	Voltage output	20 mV/Deg							A					
	Current output 4–20 mA	44.444 uA/Deg							E					
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	
	RS-485 cable 2 m, cable connector, open leads on one end	WMT70Cable8											8	
	RS-485 cable 10 m, cable connector, open leads on one end	WMT70Cable9											9	
	Junction box with hybrid cable 2 m (extension diameter 8–13 mm)	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	
	Hybrid cable 2 m, cable connector, open leads on one end	WMT70Cable15											G	
	Hybrid cable 10 m, cable connector, open leads on one end	WMT70Cable16											H	
	Hybrid cable 15 m, cable connector, open leads on one end	WMT70Cable17											J	
	Hybrid cable 26 m, cable connector, open leads on one end	WMT70Cable18											K	
	Hybrid cable 11 m integrated to WMT700, no connector	WMT70Cable19											L	
10	Mounting adapter													
	Adapter 228869 only	Standard adapter, no fix											A	
	Adapter 228869 with WMT70FIX70	Standard adapter with general purpose fix											B	
	Adapter 228869 with WMT700FIX60-MARINE	Marine adapter with stainless steel 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	
	Adapter 228777 with WS425FIX60	WS425-compatible adapter with WS425FIX60											F	
	Adapter 228869 with ASM212140 (suitable for 4258057 mounting)	ASOS mounting adapter											G	
	Adapter 228777 with WAC425 (suitable for inverted mounting)	Adapter with sensor arm for 60-mm pole											H	
	Adapter 228869 with ASM214411	Standard adapter with stainless steel fix for 50-mm pole											J	
	Adapter DRW263005 for integrated cable unit with WMT70FIX70	Standard adapter with general purpose fix											K	
	Adapter DRW263005 for integrated cable unit with WMT700FIX60-MARINE	Marine adapter with stainless steel fix for 60-mm pole											L	
11	Reserved for future use													
	None													1
12	Accessories													
	None													A
	Bird cage	WMT70BIRDKIT												B
13	Printed manual													
	None													1
	English													2

For illustrations and more information on the parts and accessories, see [WMT700 User Guide in docs.vaisala.com](#).
For freezing conditions, select appropriate combination of heating and temperature ranges.

Accessories		
Tool	Zero wind verifier	WMT70VERIFIER
Bird	Bird cage	WMT70BIRDKIT
Cables	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
	RS-485 cable 2 m, cable connector, open leads on one end	228259SP
	RS-485 cable 10 m, cable connector, open leads on one end	228260SP
	WMT700 USB service cable	240855
	Universal USB service cable with screw terminal for RS-485 or RS-232	240884
	Hybrid cable 2 m, cable connector, open leads on one end	CBL210706-2MSP
	Hybrid cable 10 m, cable connector, open leads on one end	CBL210706-10MSP
	Hybrid cable 15 m, cable connector, open leads on one end	CBL210706-15MSP
	Hybrid cable 26 m, cable connector, open leads on one end	CBL210706-26MSP
	Junction box with hybrid cable, 2 m, extension diameter 8-13 mm	ASM210719SP
Mounting	WMT700 mounting accessories:	
	Adapter for WMTFIX70	228869
	WMT70FIX (suitable also for inverted mounting)	WMT70FIXSP
	Marine adapter with stainless steel fix for 60-mm pole	WMT700FIX60-MARINESP
	Mounting adapter 60 mm RST	WMT700FIX60-RSTSP
	Cross-arm (40 x 40 x 850 mm)	WMT70CROSSARM
	Mounting adapter between 228869 and 4258057	ASM212140
	Mounting adapter 50 mm RST	ASM214411
Power	Outdoor AC (mains) power supply for arm-heated and fully heated WMT700	PJB480
Display	Wind display XDi-N 144 (5" display) for ship navigation	252307
	Wind display XDi-N 192 (7" display) for ship navigation	252321



ESIS
Industrial Electronics

www.esis.com.au
Ph 02 9481 7420
Fax 02 9481 7267
esis.enq@esis.com.au