

Order Form

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Valid from 2022-02-11

MASTER

Vaisala Ultrasonic Wind Sensor WMT700

WM1	7.0	1 1	1		· · · · ·	1	1		1 1			1
1 Measurement range	70											
40 m/s WMT701	1											
65 m/s WMT702 75 m/s WMT703	2 3											
90 m/s WMT704	4											
40 m/s + Accredited Wind Calibration												
65 m/s + Accredited Wind Calibration												
75 m/s + Accredited Wind Calibration 90 m/s + Accredited Wind Calibration												
2 Temperature range												
-10+60 C		A										
-40+60 C -55+70 C		B C										
3 Heating		C										
Non-heated version			·									
Heated transducers			2									
Heated transducers and arms Heated transducers, arms and body			3									
4 Digital communication interface			<u> </u>									
RS-485 isolated			A									
RS-422 isolated RS-232 isolated			B C									
SDI-12 isolated			D									
5 Digital communication profile												
WMT70 - poll mode (defa WS425 - ASCII	ilt) 9600b, 8, N, 1 Pol 2400b, 8, N, 1 Pol			0 1								
WS425 - ASCII WS425 - NMEA Extended (v 01				2								
WS425 - SDI-12 (v 1.3) 1200b, 7, E, 1 Pol	lled		3								
WS425 - ASOS ROSA - MES12	2400b, 8, N, 1 Pol			4 5								
US AWOS - NMEA Standard	9600b, 8, N, 1 Pol 2400b, 8, N, 1 Aut			5 6								
FAA - Federal	9600b, 8, N, 1 Pol			7								
AWS520 - NMEA Extended (v 01				8								
Low power mode for AWS310 MARINE 1 - NMEA Extended (v 01	9600b, 8, N, 1 Pol 33) 4800b, 8, N, 1 Aut			9 A								
MARINE 2 - NMEA Standard (v 01				В								
6 Digital communication units												
m/s knots					A B							
mph					С							
km/h					D	l						
7 Analog output signals for wind speed channel Disabled						0						
Voltage output	100 mV/m/s					1						
Current output	420 mA	(0Range m/s)				3						
Current output Push-Pull frequency output	0.2 mA/m/s 10 Hz/m/s					4 6						
WS425 - voltage output	8 mV/mph					7						
WS425 - frequency output (Push-Pull)	5 Hz/mph					8						
Pull up frequency output (PNP) Pull down frequency output (NPN)	10 Hz/m/s 10 Hz/m/s					A B						
8 Analog output signals for wind direction channel	10112/11/5					0	1					
Disabled							0					
Voltage output Current output	20 mV/Deg 50 uA/Deg						A D					
Voltage output Current output Current output 420 mA	20 mV/Deg 50 uA/Deg 44.444 uA/Deg						D E					
Current output Current output 420 mA Potentiometer output (WS425)	50 uA/Deg	ternal reference v	oltage from syst	em)			D					
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Current output Current output 420 mA Potentiometer output (WS425) 9 Cable None Cable 2 m, cable connector, open lead Cable 10 m, cable connector, open lead MAWS cable 10 m RS485 Cable 2 m, cable connector, open lead MAWS cable 10 m RS485 Cable 2 m, cable connector, open lead Cable 26 m, cable connector, open lead Cable 26 m, cable connector, open lead Cable 26 m, cable connector, open lead Cable 26 m, cable connector, open lead Cable 26 m, cable connector, open lead Hybrid cable 2 m, cable connector, open lead Cable 26 m, cable connector, open lead Hybrid cable 2 m, cable connector, open lead Cable 26 m, cable connector, open lead Hybrid cable 2 m, cable connector, open lead Hybrid cable 26 m, cable connector, open lead Hybrid cable 2 m, cable connector, open lead Hybrid cable 26 m, cable connector, open lead Hybrid cable 2 m, cable connector, open lead Hybrid cable 26 m, cable connector, open lead Mature 28869 with Acapter 228869 with WMT70FIX60-F Adapter 228869 with WMT700FIX60-F Adapter 228869 with WMT700FIX60-F Adapter 228777 with WA4255 Adapter 228869 with ASM212140 (suit Adapter 228869 with ASM212140 (suit Adapter 228869 with ASM214411 11 Power - Rese	50 uA/Deg 44.444 uA/Deg 0Vref (Vref = ext s on one end ds on one end en leads on one end ds on one end ds on one end in leads on one end en lea	ternal reference v	Standard a Standard a Marine ad Standard a WS425 cc ASOS mo Adapter w	WMT70C: WMT70C: WMT70C: WMT70C: WMT70C: WMT70C: WMT70C: WMT70C: WMT70C: WMT70C: WMT70C: WMT70C: adapter, not adapter, not adapter with sadapter with	able2 able3 able8 able9 able12 able13 able14 able15 able16 able17 able18 fix n general putainless stern n stainless stern of dapter, no fid dapter, no fid dapter, with oter arm for 60m n stainless stern	eel fix for 60 steel fix for ix WS425FIX im pole	D E F O mm pole 60 mm pole	2 3 4 8 9 D E F G H J K	B C D E F G	1		2
Current output Current output 420 mA Potentiometer output (WS425) Cable None Cable 2 m, cable connector, open lead Cable 10 m, cable connector, open lead Cable 10 m, cable connector, open lead MAWS cable 10 m RS485 Cable 2 m, cable connector, open lead Cable 15 m, cable connector, open lead Cable 26 m, cable connector, open lead Cable 26 m, cable connector, open lead Cable 26 m, cable connector, open lead Hybrid cable 2 m, cable connector, open lead Hybrid cable 26 m, cable connector, open lead Hybrid cable 26 m, cable connector, open lead Adapter 228869 with WMT70FIX70 Adapter 228869 with WMT70FIX60-F Adapter 228869 with WMT700FIX60-F Adapter 228777 only (used for old WS Adapter 228777 with WS425FIX60 Adapter 228777 with WS425FIX60 Adapter 228869 with ASM212140 (sui Adapter 228869 with ASM212140 (sui Adapter 228869 with ASM214411 Power - Reserved for furture purposes None None English Japanese Chinese	50 uA/Deg 44.444 uA/Deg 0Vref (Vref = ext s on one end ds on one end en leads on one end ds on one end ds on one end in leads on one end en lea	ternal reference v	Standard a Standard a Marine ad Standard a WS425 cc ASOS mo Adapter w	WMT70C: WMT70C: WMT70C: WMT70C: WMT70C: WMT70C: WMT70C: WMT70C: WMT70C: WMT70C: WMT70C: WMT70C: adapter, not adapter, not adapter with sadapter with	able2 able3 able8 able9 able12 able13 able14 able15 able16 able17 able18 fix n general putainless stern n stainless stern of dapter, no fid dapter, no fid dapter, with oter arm for 60m n stainless stern	eel fix for 60 steel fix for ix WS425FIX im pole	D E F O mm pole 60 mm pole	2 3 4 8 9 D E F G H J K	B C D E F G	1		2 3 4
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Current output Current output 420 mA Potentiometer output (WS425) 9 Cable None Cable 2 m, cable connector, open lead Cable 10 m, cable connector, open lead Cable 2 m, cable connector, open lead MAWS cable 10 m RS485 Cable 10 m RS485 Cable 10 m, cable connector, open lead Junction Box with Cable 2meters Cable 15 m, cable connector, open lead Austration Box with Cable 2meters Cable 15 m, cable connector, open lead Hybrid cable 10 m, cable connector, open lead Hybrid cable 2 m, cable connector, open lead Hybrid cable 2 m, cable connector, open lead Hybrid cable 15 m, cable connector, open lead Hybrid cable 2 m, cable connector, open lead Hybrid cable 2 m, cable connector, open lead Hybrid cable 2 m, cable connector, open lead Hybrid cable 10 m, cable connector, open lead Hybrid cable 2 m, cable connector, open lead Hybrid cable 2 m, cable connector, open lead Hybrid cable 2 m, cable connector, open lead Hybrid cable 2 m, cable connector, open lead Hybrid cable 2 m, cable connector, open lead Hybrid cable 2 m, cable connector, open lead Hybrid cable 26 m, cable connector, open lead Adapter 228869 with WMT70FIX70 Adapter 228869 with WMT70FIX60 Adapter 228777 wit	50 uA/Deg 44.444 uA/Deg 0Vref (Vref = ext s on one end ds on one end en leads on one end ds on one end ds on one end in leads on one end en lea	ternal reference v	Standard a Standard a Marine ad Standard a WS425 cc ASOS mo Adapter w	WMT70C: WMT70C: WMT70C: WMT70C: WMT70C: WMT70C: WMT70C: WMT70C: WMT70C: WMT70C: WMT70C: WMT70C: adapter, not adapter, not adapter with sadapter with	able2 able3 able8 able9 able12 able13 able14 able15 able16 able17 able18 fix n general putainless stern n stainless stern n stainless stern dapter, no fid dapter with oter	eel fix for 60 steel fix for ix WS425FIX im pole	D E F O mm pole 60 mm pole	2 3 4 8 9 D E F G H J K	B C D E F G	1		1 2 3 4 5 6 7 8

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

Accessories

Tool	Verifier
Bird	Bird cage Bird perch

Restricted

WMT70Verifier

WMT70BirdKit WS425BirdPerch

Cable	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 ROSA analog cable 10 m, cable connector, open leads on one end Adapter cable for WS425 serial Adapter cable for WS425 serial Adapter cable for WS425 analog frequency output Junction Box with Cable 2 meters WMT700 USB service cable Universal USB service cable with screw terminal for RS485 or RS232 Hybrid cable 2 m, cable connector, open leads on one end Hybrid cable 15 m, cable connector, open leads on one end Hybrid cable 15 m, cable connector, open leads on one end Hybrid cable 26 m, cable connector, open leads on one end	227567SP 227568SP 237890SP 237890SP 228259SP 228260SP 227565SP 231425SP 227569SP 227570SP ASM210719SP 240855 240884 CBL210706-2MSP CBL210706-10MSP CBL210706-15MSP CBL210706-26MSP
Mounting	WMT700 Mounting Accessories: Adapter for FIX70 Fix70 (suitable also for inverted mounting) Mounting adapter 60mm POM Mounting adapter 60mm RST Cross-arm (40x40x850mm) Mounting adapter between 228869 and 4258057 Mounting adapter 50mm RST 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 ASM212140 ASM214411 228777 WS425Fix30 WS425Fix30 WS425Fix60 WAC425
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 Wind display XDi-N 192 (7' display) for ship navigation	252307 252321

Restricted