VAISALA

Order Form Valid from 20130826
JAH

Vaisala Ultrasonic Wind Sensor
WMT700

WMT 7 0

1	Measurement range			
	40 m/s WMT701			1
	40 m/s + Accredited Wind Calibration (WMT701)			A
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			2
	Cable 10 m, cable connector, open leads on one end			3
	MAWS cable 10 m			4
	AWS520 cable 10 m, shield connected to PE pin			5
	Adapter cable for WS425 serial			6
	Adapter cable for WS425 analog frequency output			7
	RS485 Cable 2 m, cable connector, open leads on one end			8
	RS485 Cable 10 m, cable connector, open leads on one end			9
	Adapter cable for WS425 analog voltage output			A
	AWS520 cable 10 m, shield not connected to PE pin			B
	ROSA analog cable 10 m, cable connector, open leads on one end			C
	Junction Box with Cable 2meters			D
	Cable 15 m, cable connector, open leads on one end			E
	Cable 26 m, cable connector, open leads on one end			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			B
13	Manual			
	None			1
	English			2
	Japanese			3
	Chinese			4
	Russian			5

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
Mounting	WMT700 Mounting Accessories:	
	Adapter for FIX70	228869
	Fix70 (suitable also for inverted mounting)	WMT70FixSP
	Mounting adapter 60mm POM	WMT700FIX60-POM
	Mounting adapter 60mm RST	WMT700FIX60-RST
	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