VAISALA

Vaisala Ultrasonic Wind Sensor
WMT700

			WMT 7 0											
1	**Measurement range**													
	75 m/s WMT703	3												
	75 m/s + Accredited Wind Calibration (WMT703)	C												
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 future 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	

VAISALA

Vaisala Ultrasonic Wind Sensor
WMT700

	WMT 7 0												
1	Measurement range												
	90 m/s WMT704		4										
	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						
	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/m/s								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 WMT70Cable1										2		
	Cable 10 m, cable connector, open leads on one end WMT70Cable2										3		
	MAWS cable 10 m WMT70Cable3										4		
	AWS520 cable 10 m, shield connected to PE pin WMT70Cable4										5		
	Adapter cable for WS425 serial WMT70Cable5										6		
	Adapter cable for WS425 analog frequency output WMT70Cable6										7		
	RS485 Cable 2 m, cable connector, open leads on one end WMT70Cable8										8		
	RS485 Cable 10 m, cable connector, open leads on one end WMT70Cable9										9		
	Adapter cable for WS425 analog voltage output WMT70Cable7										A		
	AWS520 cable 10 m, shield not connected to PE pin WMT70Cable10										B		
	ROSA analog cable 10 m, cable connector, open leads on one end WMT70Cable11										C		
	Junction Box with Cable 2meters 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		
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 WMT70BirdKit												B
13	Manual												
	None													1
	English													2
	Japanese													3
	Chinese													4
	Russian													5
	DEIF													6
	French													7
	Spanish													8

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	
	WMT700 USB service cable	240855	
	Universal USB service cable with screw terminal for RS485 or RS232	240884	
Mounting	WMT700 Mounting Accessories:		
	Adapter for FIX70	228869	
	Fix70 (suitable also for inverted mounting)	WMT70FixSP	
	Mounting adapter 60mm POM	WMT700FIX60-POMSP	
	Mounting adapter 60mm RST	WMT700FIX60-RSTSP	
	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	

VAISALA

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 future 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

VAISALA

Vaisala Ultrasonic Wind Sensor
WMT700

	WMT 7 0												
1	**Measurement range**												
	65 m/s WMT702	2											
	65 m/s + Accredited Wind Calibration (WMT702)	B											
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