

Family Overview	UWIM-B			UWIM-A				UWIM-A CANopen			UWIM-AX	
Measuring range	±10°	±30°	±90°	±10°	±30°	±90°	±15°	30..360°	±30°	±90°	360°	360°
Max. # of axis	2			2		1		2		1		1
Switching output	no			2x NPN / 2x PNP 100mA				no			no	
Centering function	no			yes				yes (CAN object dictionary)			yes (CAN object dictionary)	
Redundant	no			no				no			no	
Output format	4-20mA / 0.5-4.5V			4-20mA / 0.5-4.5V				CANopen			CANopen	
Output bandwidth	0 - 10 Hz			0-10Hz				0-10Hz			0-10Hz	
Output function	Output = x + y*(sin(α))			Output = x + y*(α)				Output = x + y*(α)			Output = x + y*(α)	
Resolution	0,03°			0,01°		0,004°	0,01°	0,01°			0,001°	
Accuracy (typ.)	0,3°	0,6°	0,9° (-45° ..+45°)	0,04°	0,04°	0,08° (-45° ..+45°)	0,02°	0,07°	0,04°	0,06° (-45° ..+45°)	0,06°	0,04° over full Temp. Range (Active Temp. Comp.)
	offset error excluded, 1° typ.											
Temp. Coefficient (typ.)	0,01° /K			0,005° /K				0,005° /K			0 (-20° to +60° C)	
Size	Ø80x51 mm		Ø80x51 mm		Ø100x56 mm		Ø100x56 mm					
Material Housing	POM	SS316	POM	SS316	POM	SS316	POM	SS316				
Operating Depth	200 msw	1000 msw	200 msw	1000 msw	200 msw	1000 msw	200 msw	1000 msw				
Weight in air	510 gr.	1600 gr.	510 gr.	1600 gr.	700 gr.	2400 gr.	700 gr.	2400 gr.				
Weight in water	400 gr.	1270 gr.	400 gr.	1270 gr.	550 gr.	1900 gr.	550 gr.	1900 gr.				
Temp. Range	-25 .. +85°C		-40 .. +85°C		-40 .. +85°C		-40 .. +85°C					
Connection standard	MCBH5MSS		MCBH8MSS		MCBH5MSS		MCBH8MSS					

