






	XL	BRW-2	BW
			
Types:	XL72, XL96, XL144, XL192	BRW-2	BW144, BW192
Panel cutout according to DIN:	Q72, Q96, Q144, Q192	–	–
Pointer deflection:	180°, 240°, 300°, 360°	180°, 240°, 300°, 360°	180°, 240°, 300°, 360°
Protection IP52/IP54:	IP52	–	–
Protection IP66:	On request	✓	✓
Built-in dimmer:	–	✓	✓
Long life LED illumin.:	✓	✓	✓
Accuracy class:	0.5	0.5	0.5
Scale base colour:	White or black	White or black	White or black
Figures, div. lines:	Black, yellow, red, green, etc.	Black, yellow, red, green, etc.	Black, yellow, red, green, etc.
Pointer:	Yellow illuminated or black shadow	Yellow illuminated or black shadow	Yellow illuminated or black shadow
Interface:	Analogue or CANopen	Analogue or CANopen	Analogue or CANopen
Type approved by:	MED	MED	MED

	Panorama Rudder Indicator		
			
Types:	TRI-2 (Ø370)		
Panel cutout according to DIN:	–		
Pointer deflection:	3 x 90°		
Protection IP52/IP54:	IP54		
Protection IP66:	–		
Built-in dimmer:	✓		
Long life LED illumin.:	✓		
Accuracy class:	1.5		
Scale base colour:	White or black		
Figures, div. lines:	Black, yellow, red, green, etc.		
Pointer:	Black or yellow		
Interface:	Analogue		
Type approved by:	MED		

	WSS	WSS-L	WSDI	WSI
				
Description:	Wind Sensor Static	Wind Sensor Static	Indicator	Interface box
Supply voltage:	12V DC $\pm 20\%$ , max. 1.1A 24V DC $\pm 20\%$ , max. 0.6A	12V DC $\pm 20\%$ , max. 1.1A 24V DC $\pm 20\%$ , max. 0.6A	110 or 230V AC 50-60Hz	24V DC, 0.9A (+30% -25%)
Heater:	YES	-	-	-
Supply internal heater:	24...31V DC	-	-	-
Data-Out:	RS485 NMEA0183	RS485 NMEA0183	RS422	TTL
Measure:	<b>Relative Wind Speed</b> Range: 0...99.9 KTS Resolution: 0.1 KTS Response time: 1.0s  <b>Direction</b> Range: 0...360° Resolution: 1° Accuracy: $\pm 3^\circ$ Response time: 1.0s	<b>Relative Wind Speed</b> Range: 0...99.9 KTS Resolution: 0.1 KTS Response time: 1.0s  <b>Direction</b> Range: 0...360° Resolution: 1° Accuracy: $\pm 3^\circ$ Response time: 1.0s	Input: TTL Speed, dir. Output: RS422 NMEA0183	Input: RS485 NMEA0183 Output: 30V DC 0.6A to WSS / WSS-L Output: TTL 5V to WSDI
Display:	-	-	Speed: 2½ digit 7-seg. display Direction: 64 LED I circle	-
Built-in dimmer:	-	-	YES	-
Protection (IP):	IP66 (EN60529)	IP66 (EN60529)	IP52 (front) IP20 (terminals)	IP40 (front) IP20 (terminals)
Temperature range:	Operating -52°C ...+60°C Storage: -60°C ...+70°C RH: 0...100% Pressure: 600...1100hPa	Operating: 0°C...+60°C	Operating: -25°C...+70°C Storage: -50°C...+90°C	Operating: -25°C...+70°C Storage: -50°C...+90°C
Dimensions:	12 x 12 x 19 cm	19 x 12 cm	14.5 x 14.5 x 11 cm	10 x 7.5 x 11 cm
Weight:	0.8 kg	0.8 kg	0.8 kg	0.45 kg
Approvals:	Pending (CCS, DNV, GL, GOST, RS)	Pending (CCS, DNV, GL, GOST, RS)	CCS	Pending (CCS, DNV, GL, GOST, RS)
Accessories:	IP67 connector kit for cable extension Extension cable 1...300 metres	IP67 connector kit for cable extension Extension cable 1...300 metres	External dimmer unit/panel (1033290002)	DCP-2405 24V DC power supply (1240020003)