

Viewline Close Hauled

Description

Gauge to indicate expanded apparent Wind Direction, apparent Wind Speed, Air Pressure, Air Temperature, Time and Voltage.

Features

- LED illumination
- Integrated Warning LED
- Backlit technology
- Changeable bezels
- Antifog and splash protection
- Panel and flush mount possibility
- External switch for LCD operation
- NMEA 0183 data input



Picture: Close Hauled

Concept

Housing	Polycarbonat (PC)
Bezel	PC (black, white) or ABS (chrome); different colors and shapes (see accessories)
Lens	PMMA; double lens
Dial	different colors (black, white)
Pointer	backlit, white on black dials; red on white dials
Illumination	backlit Dial: LED amber (605nm) Pointer: LED red (632nm)
Warning LED	red (632nm), adjustable via LCD display or optional PC software
Mounting	Spinlock Nut; locking height 0.5mm – 20mm, Optional Studs and Bracket; locking height 2 – 15mm
Connection	8/14 pin MQS connector system
Sensor	AIRMAR PB 100 AIRMAR PB 150 AIRMAR PB 200

Technical Data		
Installation depth	50mm	
Installation diameter	85mm	
LCD Size	37 x 11mm	
Deflection angle	240°	
Operating Voltage	8 – 32 Volt	
Accuracy	< 2.5 % of the full scale reading	
Current consumption	< 150 mA, including Warning LED	
Alarm output	max. 100mA (optional)	
Measurement Range	see Table	
Sensor output	NMEA 0183	
NMEA Data set	VWR, MWV, WIMDA	
Operating temperature	-20°C to +80°C; plated bezels (chrome) -20°C to +70°C	
Storage temperature	-40°C to +80°C for 48h; plated bezels (chrome) -40°C to +70°C +90°C for 1h	
Temperature shock	Range Transformation time Retention time	-40°C to +85°C; plated bezels (chrome) -40°C to +70°C 10 seconds 2h
Climatic test	Range Rel. Humidity	+25°C to +55°C 95%
EMC in conformity with (Electromagnetic compatibility)	DIN_EN 61000-6-2 DIN_EN 61000-6-3 DIN_EN 61000-6-4	
Standards	EN 60945 GL, Category C, F (under preparation) CE	
Vibration	Sinus 2g; 10-500Hz; duration 16h Noise 3g; 10-1000Hz, duration 8h	
Mechanical shock	continuous Single shock Free fall	25g; 6ms; 1Hz 100g; 11ms 1m; 3 times
Chemical resistance against	- preservative agent - preservative agent remover - cold cleaner - methylated spirit - interior cleaner - drinks containing caffeine and tannin	
Nominal position	NL 0 to NL 85 (DIN16257)	
Protection class	according to IEC 60529 Front: IP67 (in nominal position) Rear: IP52 (in nominal position)	
Reverse polarity protection	yes, 5 minute	
Over voltage protection	yes, 1 minute	

Available Gauges

No. unpacked *	Dial color	Diameter [mm]	Double scale	Measurement range	Sensor	Double lens
A2C53435260	black	85mm	no	± 60°	NMEA 0183	yes
A2C53435239	white	85mm	no	± 60°	NMEA 0183	yes

* "No. unpacked" is not a order number

Accessories:

A2C59510854	VL Mounting Kit (studs and brackets) 52, 85, 110mm
A2C59510864	VL Mounting bracket flush mount
A2C53215641	VL Sealing Ring 85mm flush mount
A2C59510847	Bush housing, 8-pin
A2C59510848	Bush housing, 14-pin
A2C53324664	Protective connector cap, 8-pin
A2C53324671	Protective connector cap, 14-pin
Tyco Nr. 539635-1	Tool for hand pliers.
Tyco Nr. 539682-2	Single contacts 0.14 – 0.22 mm ² tin plated
Tyco Nr. 1355718-1	Single contacts 0.5 – 0.75 mm ² tin plated
Tyco Nr. 963729-1	Strip 0.14 – 0.22 mm ² tin plated
Tyco Nr. 1355717-1	Strip 0.25 – 0.5 mm ² tin plated
Tyco Nr. 928999-1	Strip 0.5 – 0.75 mm ² tin plated
Tyco Nr. 963715-1	Tool for hand pliers.
A2C59514545	Viewline Adaptor Cable Gauge / Airmar Sensor

Bezels 85mm

	Black	Chrome	White
Flat	A2C53192911	A2C53192910	A2C53192912
Round	A2C53192913	A2C53192914	A2C53192916
Triangle	A2C53192917	A2C53192918	A2C53192920