

Viewline Sumlog with Compass Function

Description

Gauge to indicate Boat Speed, Odometer, Depth, Water Temperature, Course, Steering aid, GPS-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: Sumlog with Compass Function

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	X11-719-000-053 X11-719-000-058 GPS Signal delivered from external GPS-Modul

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	VTG, VHW, RMA, RMC, HDG, GSV, GGA, ZDA	
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	-40°C to +85°C; plated bezels (chrome) -40°C to +70°C
	Transformation time	10 seconds
	Retention time	2h
Climatic test	Range	+25°C to +55°C
	Rel. Humidity	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	25g; 6ms; 1Hz
	Single shock	100g; 11ms
	Free fall	1m; 3 times
Chemical resistance against	<ul style="list-style-type: none"> - 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
A2C53441682	black	85mm	no	0 - 12kn	NMEA 0183	yes
A2C53435168	black	85mm	no	0 - 30kn	NMEA 0183	yes
A2C53428508	black	85mm	no	0 - 50kn	NMEA 0183	yes
A2C53441684	black	85mm	no	0 - 60mph	NMEA 0183	yes
A2C53441683	white	85mm	no	0 - 12kn	NMEA 0183	yes
A2C53435180	white	85mm	no	0 - 30kn	NMEA 0183	yes
A2C53428509	white	85mm	no	0 - 50kn	NMEA 0183	yes
A2C53441685	white	85mm	no	0 - 60mph	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
A2C59513503	Adaptor Cable Triducer® NMEA Sensor / 8-pole plug
Tyco No. 539635-1	Hand pliers
Tyco No. 539682-2	Tool for hand pliers.
Tyco No. 1355718-1	Single contacts 0.14 – 0.22 mm ² tin plated
Tyco No. 963729-1	Single contacts 0.5 – 0.75 mm ² tin plated
Tyco No. 1355717-1	Strip 0.14 – 0.22 mm ² tin plated
Tyco No. 928999-1	Strip 0.25 – 0.5 mm ² tin plated
Tyco No. 963715-1	Strip 0.5 – 0.75 mm ² tin plated

Bezels 85mm

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