

## Viewline Sumlog

### Description

Gauge to indicate Boat Speed, Odometer, Depth, Water Temperature, Voltage, Clock.

### Features

- \_ Integrated Warning LED.
- \_ Changeable Frontbezels.
- \_ LED Illumination
- \_ Flush mount possibility
- \_ High reliability



Picture: Sumlog

### Concept

Housing	PC; flame retarding (UL94)
Bezel	PC or ABS; several colors and shapes (see table)
Lens	PMMA; double lens
Dial	backlit; different colors (see table)
Pointer	backlit, white on black dials; red on white dials
Illumination	Dial: LED amber (605nm) Pointer: LED red (632nm)
Warning LED	red (632nm), programmable
Mounting	spinlock Nut; locking height 0,5mm – 20mm, optional Studs and Bracket; locking height 2 – 13mm
Connection	8 pin MQS connector system

**Technical Data**

Measurement Range	see Table	
Sensors:	Sumlog SL/HS Sensor, Airmar Triducer® NMEA 0183	
LCD-Size	37 x 11 mm	
Alarm output	max 100mA	
Illumination	amber, dimmable	
Installation depth	50mm	
Installation diameter	85mm	
Deflection angle	240°	
Operating Voltage	8,5 – 32 Volt (Sensor 8 – 16V)	
Accuracy	+/- 2,5% of full scale reading	
Current consumption	< 175 mA, including Warning LED	
Operating temperature	-20°C to +85°C; plated bezels (chrome) -20°C to +70°C	
Storage temperature	-40°C to +85°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	80% to 100%
EMC in conformity with	ISO 7637-1/2 ISO 7637-3	
ESD in conformity with	DIN_EN 61000-4-2 ISO/CD 10605 SAE J 551/15)	
Vibration	Sinus 2g; 8-500Hz; duration 16h Noise 4,2g; 10-1000Hz, duration 8h	
Mechanical shock	continuous	25g; 6ms; 1Hz
	Single shock	100g; 11ms
	Free fall	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, 1 minute	
Short circuit protection	yes, 1 minute	

## available Gauges

No. packed	No. unpacked	color	Diameter	Double Scale	Measurement range	Input signal *	Double lens
A2C59510504	A2C53194776	White	85mm	no	60mph	Hall, NMEA 0183	yes
A2C59510501	A2C53194774	Black	85mm	no	60mph	Hall, NMEA 0183	yes
A2C59510503	A2C53194773	White	85mm	no	50kn	Hall, NMEA 0183	yes
A2C59510500	A2C53194772	Black	85mm	no	50kn	Hall, NMEA 0183	yes
A2C59510502	A2C53194771	White	85mm	no	12kn	Hall, NMEA 0183	yes
A2C59510499	A2C53194770	Black	85mm	no	12kn	Hall, NMEA 0183	yes

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Hall – Sumlog SL / HS Sensor  
NMEA 0183 – Dataset VTG, VHW

## Accessories:

A2C59510854	VL Mounting Kit (studs and brackets) 52, 85, 110mm
A2C59510864	VL Mounting bracket flush mount
A2C53215641	VL Sealing Ring 85mm flush mount
A2C53215642	VL Sealing Ring 110mm flush mount
A2C59510847	Bush housing, 8-pin
A2C59510848	Bush housing, 14-pin
A2C53324664	Protective connector cap, 8-pin
A2C59513503	Adaptor cable Triducer <sup>®</sup> NMEA Sensor
A2C53324671	Protective connector cap, 14-pin
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 <sup>2</sup> tin plated
Tyco No. 963729-1	Single contacts 0.5 – 0.75 mm <sup>2</sup> tin plated
Tyco No. 1355717-1	Strip 0.14 – 0.22 mm <sup>2</sup> tin plated
Tyco No. 928999-1	Strip 0.25 – 0.5 mm <sup>2</sup> tin plated
Tyco No. 963715-1	Strip 0.5 – 0.75 mm <sup>2</sup> tin plated

## Bezels 85mm

	black	black nickel*	brush aluminum*	chrome	gold*	white
flat	A2C53192911	A2C53293487	A2C53293488	A2C53192910	A2C53293490	A2C53192912
round	A2C53192913	A2C53293541	A2C53293499	A2C53192914	A2C53293540	A2C53192916
triangle	A2C53192917	A2C53293549	A2C53293560	A2C53192918	A2C53293561	A2C53192920

\* Only on request, no part off standard portfolio