

Viewline Speedometer

Description

Gauge to indicate Speed, Odometer, Voltage, Clock.

Features

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



Picture: Speedometer with Display

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:	Hall sensor, Inductive sensor, Blocking oscillator, NMEA0183	
LCD-Size	37 x 11 mm	
Alarm output	max 100mA	
Illumination	amber, dimmable	
Installation depth	50mm	
Installation diameter	85mm, 110mm (see table)	
Deflection angle	240°	
Operating Voltage	8,5 – 32 Volt	
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
A2C59510062	A2C53194716	black	85	no	25km/h	Ind, Hall, Blocking Oscillator, NMEA0183	no
A2C59510063	A2C53194731	black	85	no	60km/h	Ind, Hall, Blocking Oscillator, NMEA0183	no
A2C59510064	A2C53194735	black	85	no	80km/h	Ind, Hall, Blocking Oscillator, NMEA0183	no
A2C59510065	A2C53194749	black	85	no	120km/h	Ind, Hall, Blocking Oscillator, NMEA0183	no
A2C59510066	A2C53194767	black	85	no	200km/h	Ind, Hall, Blocking Oscillator, NMEA0183	no
A2C59510067	A2C53194769	black	85	no	300km/h	Ind, Hall, Blocking Oscillator, NMEA0183	no
A2C59510068	A2C53194718	black	85	yes	30mph	Ind, Hall, Blocking Oscillator, NMEA0183	no
A2C59510069	A2C53194733	black	85	yes	60mph	Ind, Hall, Blocking Oscillator, NMEA0183	no
A2C59510070	A2C53194747	black	85	yes	85mph	Ind, Hall, Blocking Oscillator, NMEA0183	no
A2C59510071	A2C53194751	black	85	yes	120mph	Ind, Hall, Blocking Oscillator, NMEA0183	no
A2C59510072	A2C53194761	black	85	yes	140mph	Ind, Hall, Blocking Oscillator, NMEA0183	no
A2C59510073	A2C53194759	black	85	no	120mph	Ind, Hall, Blocking Oscillator, NMEA0183	no
A2C59510074	A2C53194765	black	85	no	160mph	Ind, Hall, Blocking Oscillator, NMEA0183	no
A2C59510075	A2C53194732	white	85	no	60km/h	Ind, Hall, Blocking Oscillator, NMEA0183	no
A2C59510076	A2C53194736	white	85	no	80km/h	Ind, Hall, Blocking Oscillator, NMEA0183	no
A2C59510077	A2C53194750	white	85	no	120km/h	Ind, Hall, Blocking Oscillator, NMEA0183	no
A2C59510078	A2C53194768	white	85	no	200km/h	Ind, Hall, Blocking Oscillator, NMEA0183	no
A2C59510079	A2C53194760	white	85	no	120mph	Ind, Hall, Blocking Oscillator, NMEA0183	no
A2C59510080	A2C53194766	white	85	no	160mph	Ind, Hall, Blocking Oscillator, NMEA0183	no
A2C59510081	A2C53194719	white	85	yes	30mph	Ind, Hall, Blocking Oscillator, NMEA0183	no
A2C59510082	A2C53194734	white	85	yes	60mph	Ind, Hall, Blocking Oscillator, NMEA0183	no
A2C59510083	A2C53194748	white	85	yes	85mph	Ind, Hall, Blocking Oscillator, NMEA0183	no
A2C59510084	A2C53194752	white	85	yes	120mph	Ind, Hall, Blocking Oscillator, NMEA0183	no
A2C59510085	A2C53194763	white	85	yes	140mph	Ind, Hall, Blocking Oscillator, NMEA0183	no
A2C59510115	A2C53194647	black	110	no	25km/h	Ind, Hall, Blocking Oscillator, NMEA0183	no
A2C59510116	A2C53194645	black	110	no	60km/h	Ind, Hall, Blocking Oscillator, NMEA0183	no
A2C59510117	A2C53194642	black	110	no	80km/h	Ind, Hall, Blocking Oscillator, NMEA0183	no
A2C59510118	A2C53194640	black	110	no	120km/h	Ind, Hall, Blocking Oscillator, NMEA0183	no
A2C59510119	A2C53194637	black	110	no	200km/h	Ind, Hall, Blocking Oscillator, NMEA0183	no

A2C59510120	A2C53194634	black	110	no	300km/h	Ind, Hall, Blocking Oscillator, NMEA0183	no
A2C59510121	A2C53194639	black	110	no	120mph	Ind, Hall, Blocking Oscillator, NMEA0183	no
A2C59510122	A2C53194643	black	110	yes	60mph	Ind, Hall, Blocking Oscillator, NMEA0183	no
A2C59510123	A2C53194641	black	110	yes	85mph	Ind, Hall, Blocking Oscillator, NMEA0183	no
A2C59510124	A2C53194638	black	110	yes	140mph	Ind, Hall, Blocking Oscillator, NMEA0183	no
A2C59510125	A2C53194636	black	110	yes	220mph	Ind, Hall, Blocking Oscillator, NMEA0183	no

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Ind – inductive sensor

Hall – Hall 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
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 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	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

Bezels 110mm

	black	black nickel*	brush aluminum*	chrome	gold*	white
flat	A2C53210745	-	-	A2C53210747	-	A2C53210746
round	A2C53210749	-	-	A2C53210761	-	A2C53210764
triangle	A2C53210763	-	-	A2C53210765	-	A2C53192920

* Only on request, no part off standard portfolio