

## Viewline Tachometer without LCD

### Description

Gauge to indicate Engine Revolution

### Features

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



Picture: Tachometer without 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 Ignition Terminal 1 Alternator Terminal W	
Illumination	amber, dimmable	
Adjustment range	1, 2, 3, 4, 5, 6, 8 Pulses / Revolution (by Dip Switch) 0,5 – 399,5 Pulses / Revolution (by PC Software)	
Installation depth	50mm	
Installation diameter	585mm	
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 [mm]	Measurement range	Input signal	Double lens
A2C59510203	A2C53218716	black	85	3000 RPM	W, 1, Lightning Coil	yes
A2C59510204	A2C53218722	black	85	4000 RPM	W, 1, Lightning Coil	yes
A2C59510205	A2C53218726	black	85	6000 RPM	W, 1, Lightning Coil	yes
A2C59510206	A2C53218718	white	85	3000 RPM	W, 1, Lightning Coil	yes
A2C59510207	A2C53218724	white	85	4000 RPM	W, 1, Lightning Coil	yes
A2C59510208	A2C53218727	white	85	6000 RPM	W, 1, Lightning Coil	yes
A2C59510209	A2C53218717	black	85	3000 RPM	W, 1, Lightning Coil	no
A2C59510210	A2C53218723	black	85	4000 RPM	W, 1, Lightning Coil	no
A2C59510211	A2C53218728	black	85	7000 RPM	W, 1, Lightning Coil	no
A2C59510212	A2C53218714	black	85	10000 RPM	W, 1, Lightning Coil	no
A2C59510213	A2C53218721	white	85	3000 RPM	W, 1, Lightning Coil	no
A2C59510214	A2C53218725	white	85	4000 RPM	W, 1, Lightning Coil	no
A2C59510215	A2C53218729	white	85	7000 RPM	W, 1, Lightning Coil	no
A2C59510216	A2C53218715	white	85	10000 RPM	W, 1, Lightning Coil	no
A2C59510217	A2C53218711	black	110	3000 RPM	W, 1, Lightning Coil	no
A2C59510218	A2C53218712	black	110	4000 RPM	W, 1, Lightning Coil	no
A2C59510219	A2C53218713	black	110	7000 RPM	W, 1, Lightning Coil	no
A2C59510220	A2C53218710	black	110	10000 RPM	W, 1, Lightning Coil	no
A2C59510016	A2C53210902	black	52	4000 RPM	W, 1, Lightning Coil	no
A2C59510017	A2C53210898	black	52	6000 RPM	W, 1, Lightning Coil	no
A2C59510018	A2C53210894	black	52	8000 RPM	W, 1, Lightning Coil	no
A2C59510019	A2C53210900	white	52	4000 RPM	W, 1, Lightning Coil	no
A2C59510020	A2C53210896	white	52	6000 RPM	W, 1, Lightning Coil	no
A2C59510021	A2C53210891	white	52	8000 RPM	W, 1, Lightning Coil	no
A2C59510038	A2C53210903	black	52	4000 RPM	W, 1, Lightning Coil	yes
A2C59510039	A2C53210899	black	52	6000 RPM	W, 1, Lightning Coil	yes
A2C59510040	A2C53210895	black	52	8000 RPM	W, 1, Lightning Coil	yes
A2C59510041	A2C53210901	white	52	4000 RPM	W, 1, Lightning Coil	yes
A2C59510042	A2C53210897	white	52	6000 RPM	W, 1, Lightning Coil	yes
A2C59510043	A2C53210892	white	52	8000 RPM	W, 1, Lightning Coil	yes

**Accessories:**

A2C59510854	VL Mounting Kit (studs and brackets) 52, 85, 110mm
A2C59510864	VL Mounting bracket flush mount
A2C53215640	VL Sealing Ring 52mm flush mount
A2C53215641	VL Sealing Ring 85mm flush mount
A2C53215642	VL Sealing Ring 110mm flush mount
A2C59510847	Bush housing, 8-pin
A2C53324664	Protective connector cap, 8-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 52mm**

	black	black nickel*	brush aluminum*	chrome	gold*	white
flat	A2C53186040	A2C53293468	A2C53293480	A2C53186023	A2C53293482	A2C53186022
round	A2C53186027	A2C53293494	A2C53293495	A2C53186029	A2C53293496	A2C53186028
triangle	A2C53186024	A2C53293545	A2C53293546	A2C53186026	A2C53293548	A2C53186025

**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