

## Viewline Pressure gauges

### Description

Gauge to indicate Engine oil-, Hydraulic oil-, Brake-, Air pressure.



Picture: Engine oil pressure gauge

### Features

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



























### 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)
Mounting	spinlock Nut; locking height 0,5mm – 20mm, optional Studs and Bracket; locking height 2 – 15mm
Connection	8 pin MQS connector system

























**Technical Data**

Installation depth	50mm	
Installation diameter	52mm	
Deflection angle	90°	
Operating Voltage	10 – 16 Volt	
Accuracy	< 3,6 angular degrees	
Current consumption	< 140 mA, including Warning LED	
Operating temperature	-30°C to +80°C; plated bezels (chrome) -30°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	DIN_EN 61000-6-3 DIN_EN 61000-6-1 DIN_EN 61000-6-4 DIN_EN 61000-6-2	
Standards	EN 60945 GL, Category C, F (under preparation)	
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-	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, 24V for 1 minute	

## available Gauges:

No. packed	No. unpacked	color	Function	Double Scale	Measurement range	ISO Symbol	Sensor type	Voltage	Double lens
A2C60100151	A2C53191377	black	Turbo Pressure	no	2 bar		EU	12V	no
A2C60100152	A2C53191378	black	Oil Pressure	no	5 bar		EU	12V	no
A2C60100153	A2C53191379	black	Oil Pressure	no	10 bar		EU	12V	no
A2C60100154	A2C53191380	black	Brake Pressure	no	10 bar		EU	12V	no
A2C60100155	A2C53191381	black	Gear Pressure	no	25 bar		EU	12V	no
A2C60100156	A2C53191382	black	Turbo Pressure	no	30 psi		EU	12V	no
A2C60100157	A2C53191383	black	Oil Pressure	no	80 psi		EU	12V	no
A2C60100158	A2C53191384	black	Oil Pressure	no	80 psi		US	12V	no
A2C60100159	A2C53191385	black	Oil Pressure	no	100 psi	 Oil	US	12V	no
A2C60100160	A2C53191386	black	Pressure	no	100 psi		EU	12V	no
A2C60100161	A2C53191387	black	Oil Pressure	no	150 psi		US	12V	no
A2C60100162	A2C53191388	black	Oil Pressure	no	150 psi		EU	12V	no
A2C60100163	A2C53191389	black	Pressure	no	400 psi	TRANS	EU	12V	no
A2C60100164	A2C53191390	black	Gear Pressure	no	400 psi		EU	12V	no
A2C60100165	A2C53191391	black	Oil Pressure	no	5 kPa x100		EU	12V	no
A2C60100166	A2C53191392	black	Oil Pressure	no	10 kPa x100		EU	12V	no
A2C60100167	A2C53191393	black	Gear Pressure	no	25 kPa x100		EU	12V	no
A2C60100168	A2C53191394	black	Turbo Pressure	yes	2 bar		EU	12V	no
A2C60100169	A2C53191395	black	Oil Pressure	yes	5 bar		EU	12V	no
A2C60100170	A2C53191397	black	Oil Pressure	yes	10 bar		EU	12V	no
A2C60100171	A2C53191400	black	Gear Pressure	yes	25 bar		EU	12V	no
A2C60100172	A2C53191401	black	Gear Pressure	yes	30 bar		EU	12V	no
A2C60100173	A2C53191402	black	Oil Pressure	yes	80 psi		US	12V	no
A2C60100174	A2C53191403	black	Oil Pressure	yes	80 psi		EU	12V	no
A2C60100175	A2C53191404	black	Oil Pressure	yes	100 psi		US	12V	no
A2C60100351	A2C53191406	black	Oil Pressure	yes	150 psi		US	12V	no
A2C60100352	A2C53191407	black	Oil Pressure	yes	150 psi		EU	12V	no
A2C60100353	A2C53191408	black	Gear Pressure	yes	400 psi		EU	12V	no

A2C60100354	A2C53191410	white	Turbo Pressure	no	2 bar		EU	12V	no
A2C60100355	A2C53191411	white	Oil Pressure	no	5 bar		EU	12V	no
A2C60100356	A2C53191413	white	Oil Pressure	no	10 bar		EU	12V	no
A2C60100357	A2C53191415	white	Brake Pressure	no	10 bar		EU	12V	no
A2C60100358	A2C53191416	white	Gear Pressure	no	25 bar		EU	12V	no
A2C60100359	A2C53191417	white	Oil Pressure	no	30 psi	OIL	EU	12V	no
A2C60100360	A2C53191418	white	Turbo Pressure	no	80 psi		EU	12V	no
A2C60100361	A2C53191419	white	Oil Pressure	no	80 psi		EU	12V	no
A2C60100362	A2C53191420	white	Oil Pressure	no	100 psi	OIL	EU	12V	no
A2C60100363	A2C53191422	white	Pressure	no	150 psi		EU	12V	no
A2C60100364	A2C53191423	white	Gear Pressure	no	350 psi		EU	12V	no
A2C60100365	A2C53191425	white	Turbo Pressure	yes	2 bar		EU	12V	no
A2C60100366	A2C53191426	white	Oil Pressure	yes	5 bar		EU	12V	no
A2C60100367	A2C53191427	white	Oil Pressure	yes	10 bar		EU	12V	no
A2C60100368	A2C53191428	white	Oil Pressure	yes	25 bar		EU	12V	no
A2C60100369	A2C53191430	white	Oil Pressure	yes	30 bar		EU	12V	no
A2C60100370	A2C53191431	white	Oil Pressure	yes	80 psi		US	12V	no
A2C60100371	A2C53191432	white	Oil Pressure	yes	80 psi		EU	12V	no
A2C60100372	A2C53191433	white	Oil Pressure	yes	100 psi		US	12V	no
A2C60100373	A2C53191434	white	Oil Pressure	yes	150 psi		US	12V	no
A2C60100374	A2C53191436	white	Oil Pressure	yes	150 psi		EU	12V	no
A2C60100375	A2C53191437	white	Gear Pressure	yes	350 psi		EU	12V	no
A2C60100551	A2C53191438	white	Gear Pressure	yes	400 psi		EU	12V	no
A2C60100552	A2C53191440	black	Oil Pressure	yes	150 psi	Engine Oil	EU	12V	no
A2C60100553	A2C53191441	black	Oil Pressure	yes	80 psi	Engine Oil	EU	12V	no
A2C60100554	A2C53191443	black	Oil Pressure	yes	80 psi	Engine Oil	US	12V	no
A2C60100555	A2C53191444	black	Oil Pressure	yes	100 psi	Engine Oil	EU	12V	no
A2C60100556	A2C53191445	black	Air Pressure	yes	150 psi	Air	EU	12V	no
A2C60100557	A2C53191446	black	Brake Pressure	yes	150 psi		EU	12V	no

A2C60100558	A2C53191447	black	Gear Pressure	yes	350 psi		EU	12V	no
A2C60100559	A2C53191728	black	Turbo Pressure	yes	2 bar		EU	12V	yes
A2C60100560	A2C53191729	black	Oil Pressure	yes	5 bar		EU	12V	yes
A2C60100561	A2C53191730	black	Oil Pressure	yes	10 bar		EU	12V	yes
A2C60100562	A2C53191731	black	Gear Pressure	yes	25 bar		EU	12V	yes
A2C60100562	A2C53191732	black	Gear Pressure	yes	30 bar		EU	12V	yes
A2C60100564	A2C53191733	black	Oil Pressure	yes	80 psi		EU	12V	yes
A2C60100565	A2C53191734	black	Oil Pressure	yes	100 psi		US	12V	yes
A2C60100566	A2C53191735	black	Oil Pressure	yes	150 psi		US	12V	yes
A2C60100567	A2C53191736	black	Pressure	yes	150 psi		EU	12V	yes
A2C60100568	A2C53191737	black	Gear Pressure	yes	400 psi		EU	12V	yes
A2C60100569	A2C53191738	white	Turbo Pressure	no	2 bar		EU	12V	yes
A2C60100570	A2C53191739	white	Turbo Pressure	yes	2 bar		EU	12V	yes
A2C60100571	A2C53191740	white	Oil Pressure	yes	5 bar		EU	12V	yes
A2C60100572	A2C53191741	white	Oil Pressure	yes	10 bar		EU	12V	yes
A2C60100573	A2C53191742	white	Oil Pressure	yes	25 bar		EU	12V	yes
A2C60100574	A2C53191743	white	Oil Pressure	yes	30 bar		EU	12V	yes
A2C60100575	A2C53191744	white	Oil Pressure	yes	80 psi		US	12V	yes
A2C60100751	A2C53191745	white	Oil Pressure	yes	80 psi		EU	12V	yes
A2C60100752	A2C53191746	white	Oil Pressure	yes	100 psi		US	12V	yes
A2C60100753	A2C53191747	white	Oil Pressure	yes	150 psi		US	12V	yes
A2C60100754	A2C53191748	white	Oil Pressure	yes	150 psi		EU	12V	yes
A2C60100755	A2C53191749	white	Gear Pressure	yes	350 psi		EU	12V	yes
A2C60100756	A2C53191750	white	Gear Pressure	yes	400 psi		EU	12V	yes

**Accessories:**

A2C59510221	VL Dropping resistor 24V without connector
A2C59510886	VL Make point switch 12V
A2C59510854	VL Mounting Kit (studs and brackets) 52, 85, 110mm
A2C59510864	VL Mounting bracket flush mount
A2C53215640	VL Sealing Ring 52mm 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**

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

\* Only on request, no part off standard portfolio