Viewline Pressure gauges 12/24 Volt

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

Picture: Engine oil pressure gauge

Features
- LED Illumination
- Integrated Warning LED
- Backlit Technology
- Changeable Front bezels
- Antifog and splash protection
- Panel and Flush mount possibility
- High reliability

Concept

Housing	Polycarbonat (PC)
Bezel	PC (black, white) or ABS (chrome); several colors and shapes (see accessories table)
Lens	PMMA; double lens
Dial	backlit, 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)
Mounting	Spinlock Nut; locking height 0,5mm – 20mm, Optional Studs and Bracket; locking height 2 – 15mm
Connection	8 pin MQS connector system

VDO – A trademark of the Continental Corporation

Technical Data		
Installation depth	50mm	
Installation diameter	52mm	
Deflection angle	90°	
Operating Voltage	10 – 32 Volt	
Accuracy	< 3,6 angular degrees	
Current consumption	< 140 mA, incl. Warn LED	
Operating temperature	-30°C to +80°C; plated bezels (chrome) -30°C to +70°C	
Storage temperature	-30°C to +80°C for 48h; plated bezels (chrome) -30°C to +70°C	
Temperature shock	Range Transformation time Retention time	-40°C to +85°C; plated bezels (chrome) -40°C to +70°C 10 seconds 2h
Climatic test	Range Rel. Humidity	+25°C to +55°C 95%
EMC in conformity with (Electromagnetic compatibility)	DIN_EN 61000-6-1 DIN_EN 61000-6-2 DIN_EN 61000-6-3 DIN_EN 61000-6-4	
Standards	GL, Category C, F (under preparation) CE	
Vibration	Sinus 2g; 10-500Hz; duration 16h Noise 3g; 10-1000Hz, duration 8h	
Mechanical shock	continuous Single shock Free fall	25g; 6ms; 1Hz 100g; 11ms 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, 1 minute	

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available Gauges:

No. unpacked *	Dial color	Measurement range outer		Measurement range inner		ISO Symbol	Sensor resistance range
		Min	Max	Min	Max		
A2C53412997	black	0 bar	10 bar	non	non		10 - 184 Ohm
A2C53417175	black	0 bar	10 bar	non	non		10 - 184 Ohm
A2C53413313	black	0 bar	10 bar	0 psi	150 psi		10 - 184 Ohm
A2C53413005	black	0 kPa	10 kPa x100	non	non		10 - 184 Ohm
A2C53413001	black	0 psi	100 psi	non	non	non	non
A2C53413147	black	0 psi	100 psi	0 kPa	7 kPa	Engine Oil	10 - 184 Ohm
A2C53413000	black	0 psi	100 psi	non	non		240 - 33,5 Ohm
A2C53413154	black	0 psi	100 psi	0 bar	7 bar		240 - 33,5 ohm
A2C53413003	black	0 psi	150 psi	non	non		10 - 184 Ohm
A2C53413141	black	0 psi	150 psi	0 bar	10 bar	Engine Oil	10 - 184 Ohm
A2C53416883	black	0 psi	150 psi	0 kPa	10 kPa	Air	10 - 184 Ohm
A2C53417216	black	0 psi	150 psi	0 kPa	10 kPa		10 - 184 Ohm
A2C53413157	black	0 psi	150 psi	0 bar	10 bar		10 - 184 Ohm
A2C53413002	black	0 psi	150 psi	non	non		240 - 33,5 Ohm
A2C53413156	black	0 psi	150 psi	0 bar	10 bar		240 - 33,5 Ohm
A2C53417174	black	0 bar	2 bar	non	non		10 - 184 Ohm
A2C53417219	black	0 bar	2 bar	0 psi	30 psi		10 - 184 Ohm
A2C53417176	black	0 bar	25 bar	non	non		10 - 184 Ohm
A2C53417220	black	0 bar	25 bar	0 psi	350 psi		10 - 184 Ohm
A2C53417210	black	0 kPa	25 kPa x100	non	non		10 - 184 Ohm
A2C53417221	black	0 bar	30 bar	0 psi	435 psi		10 - 184 Ohm
A2C53417177	black	0 psi	30 psi	non	non		10 - 184 Ohm
A2C53417217	black	0 psi	350 psi	0 kPa	25 kPa		10 - 184 Ohm
A2C53417178	black	0 psi	400 psi	non	non	TRANS	10 - 184 Ohm
A2C53417179	black	0 psi	400 psi	non	non		10 - 184 Ohm

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		Min	Max	Min	Max		
A2C53417222	black	0 psi	400 psi	0 bar	25 bar		10 - 184 Ohm
A2C53412996	black	0 bar	5 bar	non	non		10 - 184 Ohm
A2C53413150	black	0 bar	5 bar	0 psi	80 psi		10 - 184 Ohm
A2C53413004	black	0 kPa	5 kPa x100	non	non		10 - 184 Ohm
A2C53412998	black	0 psi	80 psi	non	non		10 - 184 Ohm
A2C53413142	black	0 psi	80 psi	0 kPa	5 kPa	Engine Oil	10 - 184 Ohm
A2C53413151	black	0 psi	80 psi	0 bar	5 bar		10 - 184 Ohm
A2C53412999	black	0 psi	80 psi	non	non		240 - 33,5 Ohm
A2C53413006	black	0 psi	80 psi	0 bar	5 bar		240 - 33,5 Ohm
A2C53413144	black	0 psi	80 psi	0 kPa	5 kPa	Engine Oil	240 - 33,5 Ohm
A2C53413008	white	0 bar	10 bar	non	non		10 - 184 Ohm
A2C53417211	white	0 bar	10 bar	non	non		10 - 184 Ohm
A2C53413160	white	0 bar	10 bar	0 psi	150 psi		10 - 184 Ohm
A2C53413137	white	0 psi	100 psi	non	non	OIL	10 - 184 Ohm
A2C53413310	white	0 psi	100 psi	0 bar	7 bar		240 - 33,5 ohm
A2C53417214	white	0 psi	150 psi	non	non	non	10 - 184 Ohm
A2C53413312	white	0 psi	150 psi	0 bar	10 bar		10 - 184 Ohm
A2C53413311	white	0 psi	150 psi	0 bar	10 bar		240 - 33,5 Ohm
A2C53417223	white	0 bar	2 bar	non	non		10 - 184 Ohm
A2C53417224	white	0 bar	2 bar	0 psi	30 psi		10 - 184 Ohm
A2C53417212	white	0 bar	25 bar	non	non		10 - 184 Ohm
A2C53413286	white	0 bar	25 bar	0 psi	350 psi		10 - 184 Ohm
A2C53413287	white	0 bar	30 bar	0 psi	435 psi		10 - 184 Ohm
A2C53413134	white	0 psi	30 psi	non	non	OIL	10 - 184 Ohm
A2C53417215	white	0 psi	350 psi	non	non		10 - 184 Ohm

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		Min	Max	Min	Max		
A2C53417225	white	0 psi	350 psi	0 bar	25 bar		10 - 184 Ohm
A2C53417226	white	0 psi	400 psi	0 bar	25 bar		10 - 184 Ohm
A2C53413007	white	0 bar	5 bar	non	non		10 - 184 Ohm
A2C53413158	white	0 bar	5 bar	0 psi	80 psi		10 - 184 Ohm
A2C53417213	white	0 psi	80 psi	non	non		10 - 184 Ohm
A2C53413136	white	0 psi	80 psi	non	non		10 - 184 Ohm
A2C53413289	white	0 psi	80 psi	0 bar	5 bar		10 - 184 Ohm
A2C53413288	white	0 psi	80 psi	0 bar	5 bar		240 - 33,5 Ohm

* **"No. unpacked"** is not a order number.

Accessories:

A2C59510886	VL Make point switch 12V
A2C59510854	VL Mounting Kit (studs and brackets) 52, 85, 110mm
A2C53007398	Fastening nut
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 mm² tin plated
Tyco No. 963729-1	Single contacts 0.5 – 0.75 mm² tin plated
Tyco No. 1355717-1	Strip 0.14 – 0.22 mm² tin plated
Tyco No. 928999-1	Strip 0.25 – 0.5 mm² tin plated
Tyco No. 963715-1	Strip 0.5 – 0.75 mm² tin plated

Bezels 52mm

	Black	Chrome	White
Flat	A2C53186040	A2C53186023	A2C53186022
Round	A2C53186027	A2C53186029	A2C53186028
Triangle	A2C53186024	A2C53186026	A2C53186025

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