

## Viewline Mechanical Water Pressure Gauge

### Description

Gauge to indicate cooling-water pressure

### Features

- \_ LED Illumination
- \_ Backlit Technology
- \_ Changeable Frontbezels
- \_ Antifog and splash protection
- \_ Panel and Flush mount possibility



Picture:  
Mechanical Water Pressure Gauge



### Concept

Housing	Polycarbonat (PC)
Bezel	PC (black, white) or ABS (chrome); different colors and shapes (see accessories)
Lens	PMMA; double lens
Dial	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), adjustable via LCD display or optional PC software
Mounting	Spinlock Nut; locking height 0,5mm – 20mm, Optional Studs and Bracket; locking height 2 – 13mm
Connection	8-pole MQS connector system

**Technical Data**

Installation depth	60mm	
Installation diameter	52mm	
Tube diameter	3,6mm (inner)	
Deflection angle	270°	
Operating Voltage	10 – 16 Volt	
Accuracy	< ± 0,15 bar	
Current consumption	< 35 mA	
Operating temperature	-40°C to +85°C; plated bezels (chrome) -40°C to +70°C	
Storage temperature	-40°C to +85°C to 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%
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	<ul style="list-style-type: none"> <li>- preservative agent</li> <li>- preservative agent remover</li> <li>- cold cleaner</li> <li>- methylated spirit</li> <li>- interior cleaner</li> <li>- drinks containing caffeine and tannin</li> </ul>	
Nominal position	NL 0 to NL 85 (DIN16257)	
Protection class	according to IEC 60529 Front: IP67 (in Nominal position) Rear: IP52 (in Nominal position)	

## available Gauges:

No. unpacked *	Dial color	Diameter [mm]	Double scale	Measurement range	ISO Symbol	Sensor	Double lens
A2C31233300	black	52mm	yes	0 - 2 bar 0 - 30 psi		Water pressure	yes
A2C31233400	white	52mm	yes	0 - 2 bar 0 - 30 psi		Water pressure	yes

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

## Accessories:

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 Nr. 539635-1	Hand pliers
Tyco Nr. 539682-2	Tool for hand pliers.
Tyco Nr. 1355718-1	Single contacts 0.14 – 0.22 mm <sup>2</sup> tin plated
Tyco Nr. 963729-1	Single contacts 0.5 – 0.75 mm <sup>2</sup> tin plated
Tyco Nr. 1355717-1	Strip 0.14 – 0.22 mm <sup>2</sup> tin plated
Tyco Nr. 928999-1	Strip 0.25 – 0.5 mm <sup>2</sup> tin plated
Tyco Nr. 963715-1	Strip 0.5 – 0.75 mm <sup>2</sup> tin plated

## Bezels 52mm

	Black	Chrome	White
<b>Flat</b>	A2C53186040	A2C53186023	A2C53186022
<b>Round</b>	A2C53186027	A2C53186029	A2C53186028
<b>Triangle</b>	A2C53186024	A2C53186026	A2C53186025