

# VDO Instruments

VDO Marine Instruments have long been the industry's choice for rugged, dependable performance, elegant design, and leading-edge technology. VDO Marine Instruments are designed with state-of-the-art technology, CE certified, and built in ISO 9000 certified facilities to withstand the harshest marine environments. VDO is the first choice of leading marine manufacturers such as Formula, Mercury, and Sea Ray.

## OCEAN LINE

VDO Ocean Line offers exceptionally reliable, precision instruments that are a major asset at sea. VDO has also had all the VDO Ocean Line instruments certified by German Lloyd - proof of their outstanding credentials in terms of safety and quality. Every VDO Marine instrument is designed to perform under the most demanding real world conditions.

While the style and beauty of the new Ocean Line are easy to appreciate, the durability and accuracy of these instruments will be seen in the years of trouble-free performance they'll provide. The wide range of interchangeable bezels gives you a choice of elegant design options, and the complete range of instruments will meet all your monitoring needs

### Speedometers

<b>Pitot Type, 3 3/8" (85mm) dia., 12v</b>		
<i>Item/Description</i>	<i>Face</i>	<i>Black Bezel</i>
75mph/130kph (gauge only)	Black	2601101
75mph/130kph (gauge only)	White	2601151
50mph (gauge only)	Black	2601102
50mph (gauge only)	White	2601152



<b>Sumlog, 3 3/8" (85mm) dia., 12/24v, Dual Scale (kn/mph)</b>		
<i>Item/Description</i>	<i>Face</i>	<i>Black Bezel</i>
Sumlog Kit (Head, Sensor, & Cable) 50kn	Black	2601103
Sumlog Kit (Head, Sensor, & Cable) 50kn	White	2601153

### Tachometers w/o Hourmeter

<b>Programmable, 3 3/8" (85mm) dia., 12v</b>		
<i>Item/Description</i>	<i>Face</i>	<i>Black Bezel</i>
6000 RPM	Black	3331101
6000 RPM	White	3331151
4000 RPM	Black	3331102
4000 RPM	White	3331152



<b>Programmable, 3 3/8" (85mm) dia., 24v</b>		
<i>Item/Description</i>	<i>Face</i>	<i>Black Bezel</i>
4000 MPH	Black	3331103
4000 MPH	White	3331153

\* For most 4 cycle gas engines with square wave standard coil and electronic ignitions with 4, 6, 8, 12 cylinders. Also programmable for alternator output signals.

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### Tachometers w/Hourmeter

Programmable, 3 3/8" (85mm) dia., 12/24v		
Item/Description	Face	Black Bezel
4000 RPM	Black	3331105
4000 RPM	White	3331155

\*For alternator, inductive (mag pick-up) and most generator sender applications.



Programmable, 3 3/8" (85mm) dia., 12/24v		
Item/Description	Face	Black Bezel
6000 RPM	Black	3331106
6000 RPM	White	3331156

\*For gas engines with square wave coil and electronic ignition, 2 and 4 cycle inboard and outboard applications.

### Temperature Gauges

2 1/16" (52mm) dia., 12v			
Item/Description	Face	Symbol	Black Bezel
Water 240f/100c, 240-33 Ohms (US)	Black	Water	3101101
Water 240f/100c, 240-33 Ohms (US)	White	Water	3101151
Water 250f/120c, 10-180 Ohms (VDO)	Black	Water	3101103
Water 250f/120c, 10-180 Ohms (VDO)	White	Water	3101153
Transmission 400f	Black	Gear	3101107
Transmission 400f	White	Gear	3101157
Engine Oil 300f/150c	Black	Oil	3101108
Engine Oil 300f/150c	White	Oil	3101158



2 1/16" (52mm) dia., 24v			
Item/Description	Face	Symbol	Black Bezel
Water 240f/100c, 240-33 Ohms (US)	Black	Water	3101102
Water 240f/100c, 240-33 Ohms (US)	White	Water	3101152
Water 250f/120c, 10-180 Ohms (VDO)	Black	Water	3101104
Water 250f/120c, 10-180 Ohms (VDO)	White	Water	3101154
Engine Oil 300f/150c	Black	Oil	3101109
Engine Oil 300f/150c	White	Oil	3101159



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### Oil Pressure Gauges

2 1/16" (52mm) dia., 12v			
Item/Description	Face	Symbol	Black Bezel
100 psi / 7 bar, 240-33 Ohms (US)	Black	Oil	3501101
100 psi / 7 bar, 240-33 Ohms (US)	White	Oil	3501151
80 psi / 5 bar, 10-180 Ohms (VDO)	Black	Oil	3501103
80 psi / 5 bar, 10-180 Ohms (VDO)	White	Oil	3501153
150 psi / 10 bar, 10-180 Ohms (VDO)	Black	Oil	3501105
150 psi / 10 bar, 10-180 Ohms (VDO)	White	Oil	3501155
150 psi / 10 bar, 240-33 Ohms (US)	Black	Oil	3501107
150 psi / 10 bar, 240-33 Ohms (US)	White	Oil	3501157
400 psi / 28 bar, 10-180 Ohms (VDO)	Black	Gear	3501109
400 psi / 28 bar, 10-180 Ohms (VDO)	White	Gear	3501159



2 1/16" (52mm) dia., 24v			
Item/Description	Face	Symbol	Black Bezel
100 psi / 7 bar, 240-33 Ohms (US)	Black	Oil	3501102
100 psi / 7 bar, 240-33 Ohms (US)	White	Oil	3501152
80 psi / 5 bar, 10-180 Ohms (VDO)	Black	Oil	3501104
80 psi / 5 bar, 10-180 Ohms (VDO)	White	Oil	3501154
150 psi / 10 bar, 10-180 Ohms (VDO)	Black	Oil	3501106
150 psi / 10 bar, 10-180 Ohms (VDO)	White	Oil	3501156
150 psi / 10 bar, 240-33 Ohms (US)	Black	Oil	3501108
150 psi / 10 bar, 240-33 Ohms (US)	White	Oil	3501158
400 psi / 28 bar, 10-180 Ohms (VDO)	Black	Gear	3501110
400 psi / 28 bar, 10-180 Ohms (VDO)	White	Gear	3501160



### Outboard Water Pressure Kit

2 1/16" (52mm) dia., 12v			
Item/Description	Face	Symbol	Black Bezel
0-30 psi / 2 bar	Black	Water Pressure	1501101
0-30 psi / 2 bar	White	Water Pressure	1501151
0-60 psi / 4 bar	Black	Water Pressure	1501102
0-60 psi / 4 bar	White	Water Pressure	1501152

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### Fuel Level Gauges

<b>2 1/16" (52mm) dia., 12v</b>			
<i>Item/Description</i>	<i>Face</i>	<i>Symbol</i>	<i>Black Bezel</i>
240-33 Ohms (US)	Black	Fuel Level	3011101
240-33 Ohms (US)	White	Fuel Level	3011151
10-180 Ohms (VDO)	Black	Fuel Level	3011103
10-180 Ohms (VDO)	White	Fuel Level	3011153
Adjustable 90-0 Ohms Tube Type	Black	Fuel Level	3011105
Adjustable 90-0 Ohms Tube Type	White	Fuel Level	3011155



<b>2 1/16" (52mm) dia., 24v</b>			
<i>Item/Description</i>	<i>Face</i>	<i>Symbol</i>	<i>Black Bezel</i>
240-33 Ohms (US)	Black	Fuel Level	3011102
240-33 Ohms (US)	White	Fuel Level	3011152
10-180 Ohms (VDO)	Black	Fuel Level	3011104
10-180 Ohms (VDO)	White	Fuel Level	3011154
Adjustable 90-0 Ohms Tube Type	Black	Fuel Level	3011106
Adjustable 90-0 Ohms Tube Type	White	Fuel Level	3011156

### Water Level Gauges

<b>2 1/16" (52mm) dia., 12v</b>			
<i>Item/Description</i>	<i>Face</i>	<i>Symbol</i>	<i>Black Bezel</i>
240-33 Ohms (US)	Black	Water Level	3011107
240-33 Ohms (US)	White	Water Level	3011157
10-180 Ohms (VDO)	Black	Water Level	3011109
10-180 Ohms (VDO)	White	Water Level	3011159

<b>2 1/16" (52mm) dia., 24v</b>			
<i>Item/Description</i>	<i>Face</i>	<i>Symbol</i>	<i>Black Bezel</i>
240-33 Ohms (US)	Black	Water Level	3011108
240-33 Ohms (US)	White	Water Level	3011158
10-180 Ohms (VDO)	Black	Water Level	3011121
10-180 Ohms (VDO)	White	Water Level	3011161



<b>2 1/16" (52mm) dia., 12/24v</b>			
<i>Item/Description</i>	<i>Face</i>	<i>Symbol</i>	<i>Black Bezel</i>
4-20 mili-amp, Capacitive Type	Black	Water Level	3011122
4-20 mili-amp, Capacitive Type	White	Water Level	3011162

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### Waste Level Gauges

2 1/16" (52mm) dia., 12/24v			
Item/Description	Face	Symbol	Black Bezel
4-20 mili-amp, Capacitive Type	Black	Waste	3011123
4-20 mili-amp, Capacitive Type	White	Waste	3011163



### Hourmeters

2 1/16" (52mm) dia., 12/24v		
Item/Description	Face	Black Bezel
Illuminated	Black	3311101
Illuminated	White	3311151



### Ammeters

2 1/16" (52mm) dia., 12/24v			
Item/Description	Face	Symbol	Black Bezel
80-0-80 amp (does not include shunt)	Black	AMP	1901101
80-0-80 amp (does not include shunt)	White	AMP	1901151
140-0-140 amp (does not include shunt)	Black	AMP	1901102
140-0-140 amp (does not include shunt)	White	AMP	1901152



### Voltmeters

2 1/16" (52mm) dia., 12v			
Item/Description	Face	Symbol	Black Bezel
8-16v	Black	Battery	3321101
8-16v	White	Battery	3321151



2 1/16" (52mm) dia., 24v			
Item/Description	Face	Symbol	Black Bezel
18-32v	Black	Battery	3321102
18-32v	White	Battery	3321152

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### Trim Gauges

2 1/16" (52mm) dia., 12v			
Item/Description	Face	Symbol	Black Bezel
Evinrude/Johnson OB	Black	Boat	3821101
Evinrude/Johnson OB	White	Boat	3821151
Honda OB	Black	Boat	3821102
Honda OB	White	Boat	3821152
Mariner/Mercury IO/OB OMC/Cobra	Black	Boat	3821103
Mariner/Mercury IO/OB OMC/Cobra	White	Boat	3821153
Yamaha OB	Black	Boat	3821104
Yamaha OB	White	Boat	3821154



### Engine Synchronizer

3 3/8" (85mm) dia., 12/24v		
Item/Description	Face	Black Bezel
Engine Synchronizer, Port/Starboard, Alternator / Inductive / Gas	Black	4381191
Engine Synchronizer, Port/Starboard, Alternator / Inductive / Gas	White	4381192

### Rudder Angle Indicators

3 3/8" (85mm) dia., 12v			
Item/Description	Face	Symbol	Black Bezel
Dual Station Kit, 0-90 Ohms	Black	Red/Green	3821191
Dual Station Kit, 0-90 Ohms	White	Red/Green	3811192

3 3/8" (85mm) dia., 24v			
Item/Description	Face	Symbol	Black Bezel
Dual Station Kit, 0-90 Ohms	Black	Red/Green	3821193
Dual Station Kit, 0-90 Ohms	White	Red/Green	3811194



3 3/8" (85mm) dia., 12/24v			
Item/Description	Face	Symbol	Black Bezel
Gauge Only, 10-180 Ohms	Black	Red/Green	3821105
Gauge Only, 10-180 Ohms	White	Red/Green	3811155

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### Clock

<b>2 1/16" (52mm) dia., 12/24v</b>		
Item/Description	Face	Black Bezel
Clock	Black	3701101
Clock	White	3701151



### Fluxgate Compass

<b>3 3/8" (85mm) dia., 12/24v</b>		
Item/Description	Face	Black Bezel
Complete Kit (Indicator, Sensor, 10m Cable)	Black	4901101
Complete Kit (Indicator, Sensor, 10m Cable)	White	4901151



### Depth Sounder

<b>3 3/8" (85mm) dia., 12/24v</b>		
Item/Description	Face	Black Bezel
Thru Hull Installation Kit	Black	4021101
Thru Hull Installation Kit	White	4021151



### Outside Temperature Gauge

<b>2 1/16" (52mm) dia., 12/24v</b>		
Item/Description	Face	Black Bezel
-10°F to + 120°F Single Scale	Black	3911105
-10°F to + 120°F Single Scale	White	3911155



### Pyrometer

<b>2 1/16" (52mm) dia., 12/24v</b>		
Item/Description	Face	Black Bezel
250-1650°F Complete Kit	Black	3101106
250-1650°F Complete Kit	White	3101156



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### Acoustical Warning Alarm

2 1/16" (52mm) dia., 12/24v		
Item/Description	Face	Black Bezel
Acoustical Warning Alarm		4071101



### Ocean Line Interchangeable Bezels

**Flexible design options**

With VDO you can design your own cockpit. VDO Ocean Line gives you the freedom to customize your cockpit to suit your personality. The wide range of interchangeable bezels gives you a choice of elegant design options. When it comes to the dial face, there is a choice between black or white.



Ocean Bezels		
Item/Description	3 3/8" (85mm)	2 1/16" (52mm)
Chrome	850-040	850-041
Black Chrome	850-042	850-043
Gold	850-044	850-045
Brass	850-048	850-049
Aluminum	850-050	850-051
Black	850-052	850-053
White	850-054	850-055