






Precision measuring instruments with coil cores for direct current and moving coil SQE for alternating current (Class 1.5), in contrast to the normally used instruments in the marine industry, are more precise and have an own consumption of only 1 mA.

**Dimensions** W 48 x H 48 x D 46 mm  
**Cut-out** W 45,5 x H 45,5 mm

Analogue marine gauges with integrated LED-illumination. Watertight front part. Fitting hole  $\varnothing$  52 mm, outer diameter  $\varnothing$  58 mm. For the use at 24 V rated voltage a pre-resistor Rturo is needed for some gauges. Matching tank gauges: Water / Fuel / Waste Water please see page 51.

VOLTMETER DC	
	<ul style="list-style-type: none"> <li>■ SQS 48 /8-16 V . . . . . Order No.: 6 0480 0816</li> <li>■ SQS 48 /16-32 V . . . . . Order No.: 6 0480 1632</li> </ul>
AMMETER DC	
	<ul style="list-style-type: none"> <li>■ SQS 48 /0-25 A . . . . . Order No.: 6 0481 0025</li> <li>■ SQS 48 /0-40 A . . . . . Order No.: 6 0481 0040</li> </ul>
VOLTMETER AC	
	<ul style="list-style-type: none"> <li>■ SQE 48 /0-250 V . . . . . Order No.: 6 0485 0250</li> </ul>

VOLTMETER DC	
	<p>Rated voltage 12 V or 24 V, Own consumption max. 65 mA/12 V or max. 32 mA (24 V), installation depth 76 mm</p> <ul style="list-style-type: none"> <li>■ 8-16 Volt . . . . . Order No.: 2 0774 0611</li> <li>■ 16-32 Volt . . . . . Order No.: 2 0774 0801</li> </ul>
OPERATING HOURS COUNTER	
	<p>The hours meter indicates the effective working time of the engine from starting until stop. With LED illumination. Nominal voltage 12/24 V, power consumption 5 mA/14 V, Scale range: 0-99999,9 h, installation depth 83 mm</p> <ul style="list-style-type: none"> <li>■ Hours 52 . . . . . Order No.: 2 0761 0461</li> </ul>




**MVD** Order No.: 7 0010 1733

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Very small DC voltmeter with OLED display, easy to read in daylight.  
Front side waterproof IP66.

- 8-36 V DC, resolution 0,01 V, max. 13 mA
- Reverse polarity protected
- Mounting hole  $\varnothing$  29 mm, Outer $\varnothing$  40 mm, depth 54 mm



**MAD** Order No.: 7 0010 1732

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Very small DC ammeter with OLED display, easy to read in daylight.  
Front side waterproof IP66.

- Range -100 - 0 - +100 A,
- Own consumption 15 mA.
- Delivery incl. shunt
- Mounting hole  $\varnothing$  29 mm, Outer $\varnothing$  40 mm, depth 54 mm



**MTD** Order No.: 7 0010 1741

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Very small DC temperature meter with OLED display, easy to read in daylight.  
Front side waterproof IP66.

- Range -40 - +120°C,
- Own consumption 10 mA.
- Delivery incl. temperature sensor
- Mounting hole  $\varnothing$  29 mm, Outer $\varnothing$  40 mm, depth 54 mm

**Size comparison of the different instruments:**

