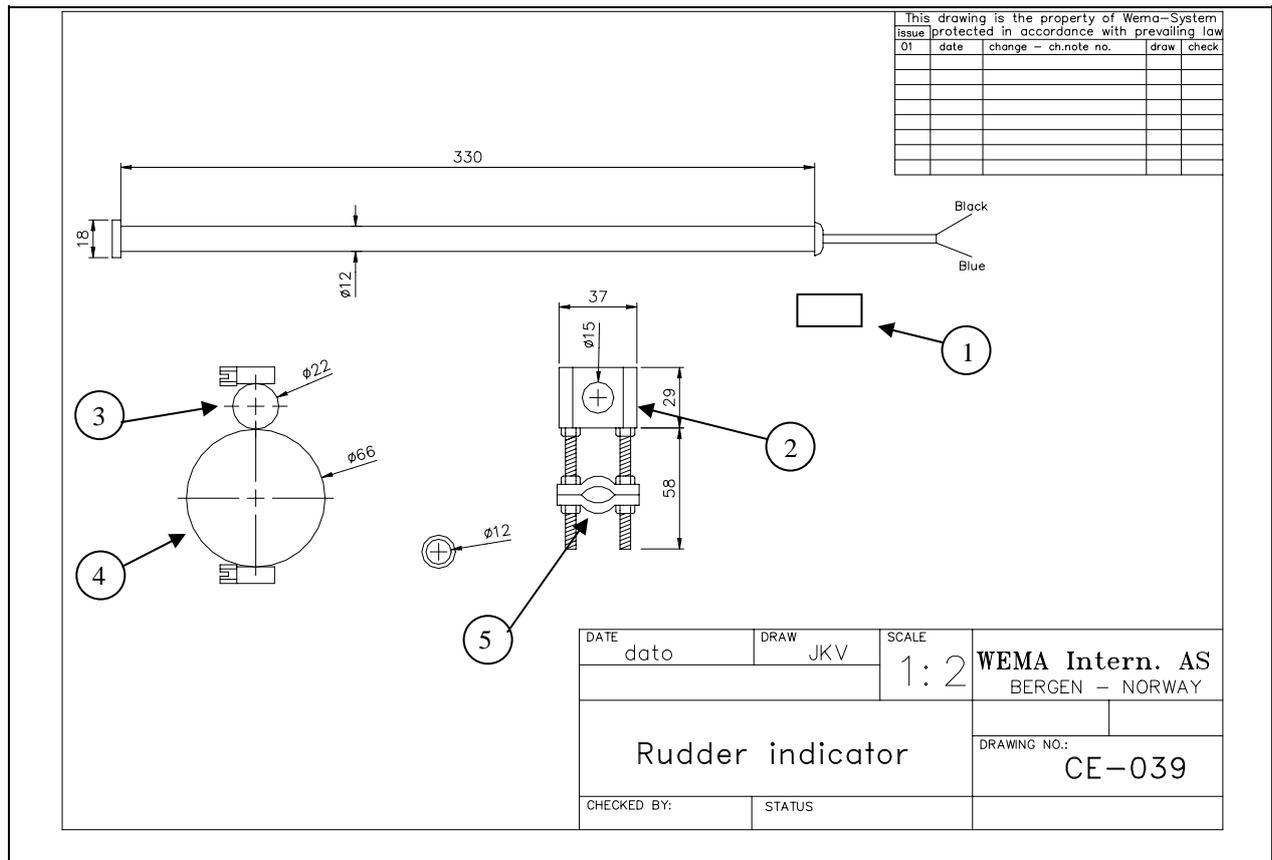


Rudder angle indicator	ROD-4	CE
	Art.no: 150310	Revision: 1998-5-20



Rudder Indicator ROD-4

It is necessary to know the position of the rudder and this is of particular importance when maneuvering in a confined space. The rudder indicator is extremely useful, easy to install and will make your boating more enjoyable. There are 5 steps to port and starboard from center. For use with IRR-4 gauge. Resistance output on ROD-4 is 0-910 ohm (middle point is 455 ohm).

Mounting:

1. Remove rubber hose (1) on the side of the sensor (stainless steel tube) where the wire comes out, slide the black magnet bracket (2) onto the sensor and put the rubber hose back on. Rubber hose shall only cover the nut on the end of the sensor and give grip for the hose clamp.
2. Put the wire through the small hose clamp (3) and fasten the clamp on the rubber hose.
3. Now fasten the big hose clamp (4) on the end of the hydraulic cylinder and connect the wires to gauge. Put rudder in mid. pos. (visually) and adjust the magnet bracket (2) until the gauge shows mid. pos.
4. Fasten clamp (5) on the magnet bracket onto the hydraulic cylinder arm.

Troubleshooting:

If gauge read full starboard (green) and at the end drops back to red, adjust sensor to correct position by inserting a larger part of it through the small hose clamp.

If the gauge reads the opposite of what it should (starboard instead of port and vice versa), the sensor must be mounted the other way (turn it 180°). Remove the rubber hose and put it on the opposite side of where the wire comes out, then fasten it again.