

Rudder angle transmitter

Indication of rudder, azimuth & pitch angles



DEIF's rudder/azimuth angle transmitters convert the rudder or azimuth thruster's position angles into either electrical current signals or digital data values with a 16 bit resolution (+/-180de.g. = +/-32767).

Unlike potentiometers, DEIF's angle transmitters use a "no touch" magnetic angle detection technology. The technology guarantees optimal accuracy and performance and longer life for the transmitters as they have no electromechanical parts.

DEIF's rudder and azimuth systems are MED-approved for easy use and immediate class approval.

The robust mechanical design and IP67 protection make the transmitters ideal for use aboard any ship.

General features

- ▶ Suitable for rudder, azimuth and pitch angle
- ▶ "No touch" magnetic angle detection – no wear & tear
- ▶ Accuracy < 0.25 °
- ▶ Analogue or CAN bus output for direct connection of one or more indicators
- ▶ Angle position range from +/- 20 ° to +/-180 °
- ▶ Continuous shaft rotation
- ▶ Clockwise/counterclockwise, zero set & max./min. adjustment

Variants

Features

RTA 602	Analogue. 2 wire 4 to 20 mA DC. Ø19mm stainless steel shaft for direct rudder connection. Available with 90 ° mounting bracket Directly compatible with DEIF's RT-2 rudder angle transmitter.
RTC 300	CAN bus. Ø6mm standard axel.
RTC 600	CAN bus. Ø19mm stainless steel shaft for direct rudder connection. Available with 90 ° mounting bracket Directly compatible with DEIF's RT-2 rudder angle transmitter.

Variant overview



RTA 602



RTC 600



RTC 300

