Rudder Angle Indicator System
Raytheon Anschütz rudder angle indicator systems are characterized by a diversity of different indicators to fulfil individual customer needs.

Instruments in different sizes, scales, type of installations and protection grades. In addition three-face rudder angle indicators with a 270° panoramic indication and indicators according to Panama Canal Regulations are offered. The product line is completed by a rudder angle transmitter and a signal calibration box that allows the perfect and simple adjustment of the system for up to ten indicators.

The rudder angle indicator system is a type approved and fulfils the latest normative references.

- Three-face rudder angle indicator with 270° panoramic indication
- Rudder angle indicators with different dimensions
- Different rudder scales depending on the rudder angle
- Internal or external dimming control
- Protection grades for indoor and outdoor use
- Signal calibration box for perfect and simple adjustment of the system

![Rudder Angle Indicator System Diagram]
TECHNICAL DATA

Rudder angle indicators / desk mount / for indoor use

Rudder angle indicators and dimmer / desk mount / front waterproof

Large-rudder angle indicator according to Panama Canal Regulations (with pointer up)

Rudder angle indicators / bulk mount / casing waterproof

Three-face rudder angle indicator / ceiling mount
**TECHNICAL DATA**

Read-off accuracy
- \(< 1\degree\)

Supply voltage & power consumption
- 24 V DC
- Optional 115/230 V AC
- Three-face rudder angle indicator max. 12 W
- Analog rudder angle indicator max. 3 W
- Signal Calibration Box max. 4 W

General data
Permissible ambient temperature
- Indoor -15° to +55°C
- Outdoor -25° to +55°C

Size of instruments
- 96 x 96 mm
- 144 x 144 mm
- 192 x 192 mm

Scale
- Red/green for port/starboard
- Display range 45° or 75° (standard)

In accordance with
- IMO Res. A.694(17), MSC.97(73), MSC.36(63), MSC.191(79)

Type of enclosure acc. to IEC/EN 60529
- Three-face rudder angle indicator IP 23
- Rudder angle indicator (indoor use) IP 22
- Rudder angle indicator (outdoor use) IP 66
- Feedback unit IP 44