

KD-RLG Reflex Glass Level Gauge



KEY FEATURES

- Direct measurement of liquid levels in the tank under process temperature and pressure conditions.
- Suitable for transparent fluids such as drinking water and boiler feed water.
- Wide range of process connections, connection centres, valve options and scale graduations.
- Robust carbon steel and borosilicate glass construction.
- Designed, constructed and type approved for marine duty by the BV certifying authority.

Reflex Glass Level Gauges

Are constructed using a glass with a reflective layer behind. The glass has a series of grooves cut into its inside surface that act as prisms.

Light entering the gauge is internally refracted and lost where there is liquid present behind the front glass, but conversely reflected back where there is no liquid present behind the front glass.

Thus the level measurement is seen as a grey column (liquid) with a white column (air) above.

Reflex glass level gauges are used when the liquid is transparent. They are commonly used for measuring the levels of drinking water or high temperature / high pressure boiler feed water.

They are simple to install using standard DIN pattern process flanges and no calibration or routine maintenance is necessary.

For boiler feed water applications a wide variety of optional valves can be supplied, including isolation valves, chain valves and steam drain cocks.

Measuring scales are supplied and manufactured with the exact graduations for each application.

Specifications

Mounting type	DIN / ANSI / JIS flange with integral support for longer gauge heights
Materials of construction	Front & rear channel, connection blocks: Carbon steel Glass: Borosilicate Scale: marine bronze
Process connections centre - to- centre	320 ... 2870 mm
Process connection type	DIN / ANSI / JIS flange. Optional top vent tube.
Maximum operating pressure	20 Bar g
Maximum operating temperature	250°C for fluids having a flash point above 60°C
Type approvals	DNV Cert No. P-14649 ABS Cert No. 04-BK459446/2-PDA

Model code options

Model code x positions (ex: KD RLG DN 20 PN10 / 1000 / X / X)

1. Top & bottom process connections	X	Customer specified DIN pattern flange
2. Connection centre-to-centre	X	Customer specification in mm
3. Valve options	X	Customer specified
4. Scale markings	X	Customer specification according to application

Dimensions and connection options

