

# RESISTIVE LEVEL GAUGE ELG Series



## DESCRIPTION

The resistive level gauge ELG Series is an electronic level measuring unit specifically designed for measuring water level inside vessels characterized by high pressures and temperatures.

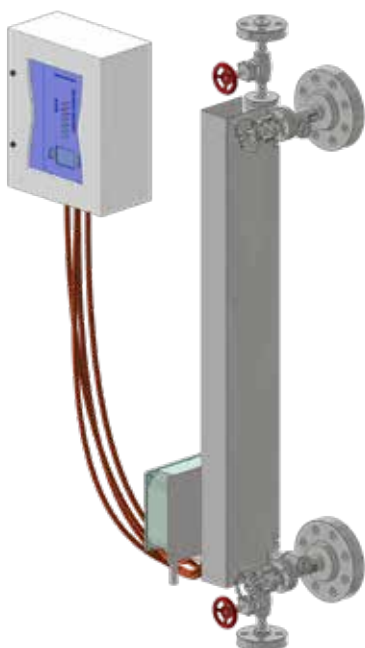
It consists of a series of sensors (ELG-P) mounted on a column connected to the vessel (ELG-C) and an electronic unit (ELG-E); one or two remote displays (ELG-R) can be connected as optional accessories.

Sensors are made of two metallic parts, which are insulated by a ceramic part. The electronic unit measures the conductivity of the fluid around the metallic parts and, because water and steam have different conductivity values, it can detect if the probe is surrounded by water or steam.

Each sensor is connected to the control unit through a pair of conductors to guarantee operating continuity to signal anomalies.

## FEATURES

- Highly visible local and remote level indication.
- Sensors divided in two groups to guarantee operating continuity and high reliability.
- Suitable for high pressures and temperatures and to withstand in harsh environments.
- Two microprocessors each with its own independent alarm outputs and 4-20 mA current loop signal.
- Up to 20 probes with constant or custom pitch (Min Pitch 20 mm).





## TECHNICAL SPECIFICATIONS

- IP66 control unit housing in glass-filled polyester, aluminium on request.
- Double power supply unit (redundant).
- Double analogue output 4-20 mA.
- Compatible with standard industrial environments.
- Design Temperature 374 °C.
- Design Pressure 220 barg.
- Test pressure at ambient 420 barg.

## LEVEL INDICATION

- One bi-color LED for each channel, green for water and red for steam
- One LCD display
- Additional LEDs: Green LED for normal functioning Yellow LED for level alarm signaling and Red LED for system alarm signaling.
- Optional Remote Display ELG-R

## COMPONENTS

- Control and power supply unit ELG-E with integrated alarm relays, ATEX explosion-proof Ex d option
- Remote displays ELG-R
- Probes ELG-P
- Column ELG-C



Optional Ex d control unit



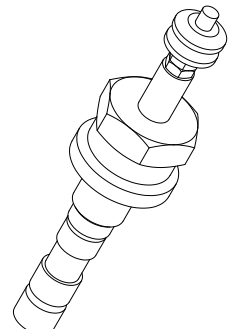
ELG-C



ELG-E



ELG-R



ELG-P

## ORDER & SPARE PARTS

In order phase state:

- Materials
- Operating and design conditions
- Range and connections type
- Accessories

Our company database contains information about the instruments manufactured in 60 years, to request spare parts for an installed instrument state the F number written in the top-right of the label:



Our technical and commercial departments are available to discuss any variation or customization not mentioned in this catalogue.



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