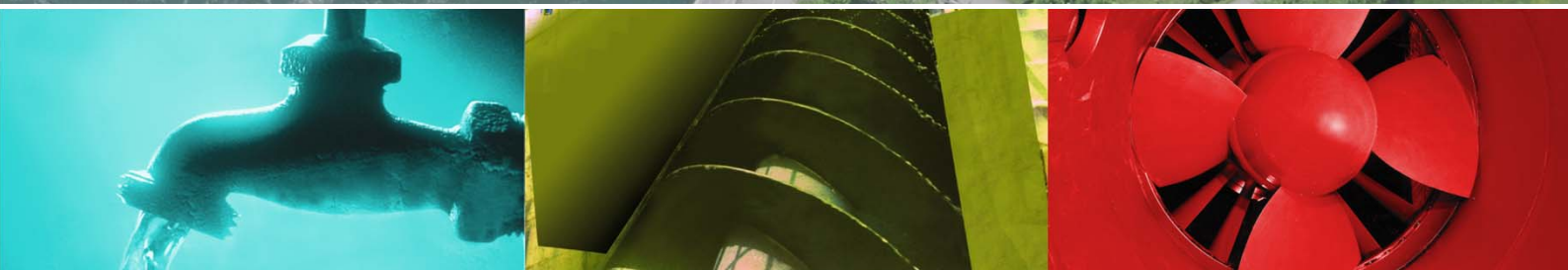


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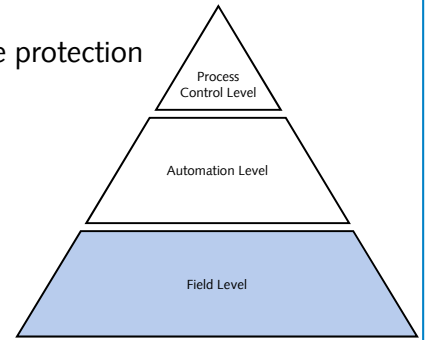
# RIVERT

## Angle transmitter MGA

**Gravity-activated ANGLE ACQUISITION -  
COMPACT - RUGGED - EASY ASSEMBLY -  
INTERPOLATION-CURVE - ANALOGUE OUTPUT -  
DIGITAL OUTPUT (LIMIT VALUE, GRAY, BCD) -  
HART - PROFIBUS-DP**

## Arguments

- Extremely robust regarding protection class, temperature range and overvoltage protection
- Mountable directly onto the moving element
- Very high accuracy up to  $\pm 0.044^\circ$
- Analogue output 4 ... 20 mA, HART compatible
- Code Output 21 Bit (BCD, Gray or Binary), type MGZR
- 4 limit switches
- Fieldbus connectivity: Profibus-DP

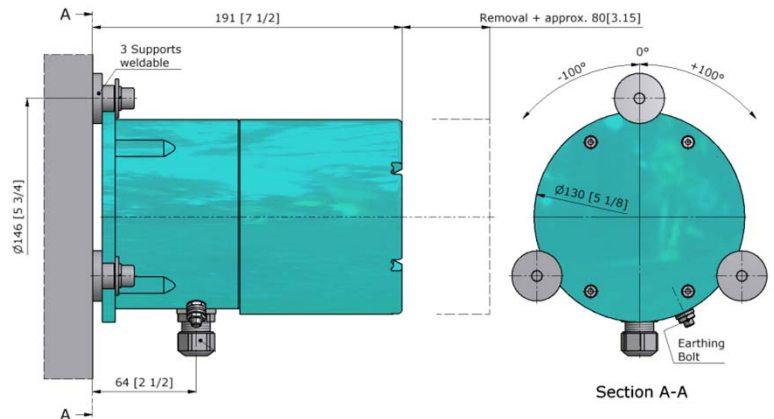


## Design Versions / Dimensions [mm/in.]

Measuring range	principle
-100° ... +100°	optical, 13 bit

### Output versions

- Analogue Output, HART compatible
- Digital and Analogue Output, HART compatible, incl. MGZR
- Profibus-DP Output



## Technical Data

### Supply

- 24 VDC  $\pm 20\%$ , 48 VDC  $\pm 20\%$
- Max. 7.5 W

### Overvoltage Protection

- Built in coarse protection

### Analogue Output

- 4 ... 20 mA, HART compatible

### Digital Outputs

- OK-Relay
- 21 Bit (4 limit values, GRAY, BCD, Binary)
- AC/DC 60V, 0.5 A

### Fieldbus Connectivity

- Profibus-DP (own unit version)

### Processing

- Scaling / Interpolation-curve
- Limit values / Hysteresis

### Parameterisation

- On site via Control Board type MGZB
- Remote via HART PC-Parameterisation SW type MGZP

### Operating temperature

- -25...+60°C (without heating)
- -40...+60°C (with heating MGZH)

### Protection Class

- IP67
- Optional IP68 / submersible 35 m [115 ft]

### Weight

- Approx. 3.0 kg [6.6 lbs]



This product concurs with the authoritative terms of the EU.