

Compact and durable cable transducers GCA.

Linear travel measurement made easy. Easy installation, reliable results.

A wide range of cable transducers for precise distance measurement up to 20 m combines space-saving and mobile automation proof designs with a great flexibility regarding interfaces and output signals.

Space-saving, flexible and robust design

- Compact housings with small foot print
- Mobile automation proof three-chamber-principle
- Wear-free non-contact Hall position sensing
- Corrosion resistant stainless steel ropes
- Integrated dirt skimmer
- Measuring length up to 20 m
- Linearity up to 0.3 %
- Extended temperature range $-40 \dots +85 \text{ }^{\circ}\text{C}$
- Protection up to IP 67
- Redundant sensing and output
- Integrated inclinometer

Maximum comfort in the application

- Space-saving integration and installation
- Durable operation in harsh environments
- Excellent price-performance ratio
- Maintenance-free and long service life



Principal fields of application

- Mechanical engineering
- Mobile Automation
- Telehandler
- Fork lifts
- Aerial lifting platforms
- Concrete pumps

Product overview GCA



| | GCA3 | GCA5 | GCA8 | GCA12 | GCA20 |
|----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|------------------------------|-------------------|--------------------|
| Measuring length max. | 4.7 m | 7.8 m | 8 m | 12 m | 20 m |
| Sensing method | Wear-free magnetic | | High precision potentiometer | | |
| Voltage supply / Interface | 8 ... 30 VDC / Analog 0.5 ... 4.5 VDC 12 ... 30 VDC / Analog 0 ... 10 VDC 12 ... 30 VDC / Analog 4 ... 20 mA 10 ... 30 VDC / CANopen® 8 ... 30 VDC / Analog 0.5 ... 4.5 VDC redundant 12 ... 30 VDC / Analog 0 ... 10 VDC redundant 12 ... 30 VDC / Analog 4 ... 20 mA redundant 10 ... 30 VDC / CANopen® redundant | | | | |
| Resolution | Up to 14 bit | | | | |
| Linearity full scale max. | ±0.5 % | ±0.5 % | ±0.3 % | ±0.3 % | ±1 % |
| Operating temperature | -40 ... +85 °C | | | | |
| Materials/Housing | Plastic | | | Plastic/Aluminium | Aluminium |
| Protection DIN EN 60529 | IP 67 | IP 67 | IP 65 | IP 65 | IP 65 |
| Dimensions | 88 x 88 x 60.5 mm | 88 x 88 x 65 mm | 88 x 88 x 80.5 mm | 126 x 126 x 98 mm | 222 x 271 x 124 mm |
| Connection | Cable, flange connector M12 | | | | |
| Optional | Integrated 1D / 2D inclination sensor (CANopen®) | | | | |

Learn more about our GCA series at:
www.baumer.com/cable-transducers

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