

### SZ1210 Cable Pull



#### Main Features

- Suitable for customized installation of analog or digital encoders of 58 mm diameter.
- Resolution: depending on the encoder
- Easy installation
- Rugged aluminum housing
- High noise immunity
- Customized special designs available

#### Electrical data

|                       |   |
|-----------------------|---|
| Potentiometric output | 1 k $\Omega$<br>(Other values on request) |
| Analog output         | 0 ... .10 V or<br>4 ... .. 20 mA          |
| Resolution            | Depending on the<br>encoder               |

#### Technical data - Mechanical data

|                                  |  |
|----------------------------------|--|
| Measuring range                  | 0 to 10000 mm(SZ1210-M)<br>0 to 10000 mm(SZ1210-A) |
| Linearity                        | + / - 0.05% of ultimate value                      |
| Circumference of micrometer drum | 300 mm / revolution                                |
| Acceleration                     | 5 M/S <sup>2</sup>                                 |
| Spring return                    | 10.5N/15N  |
| Measuring wire diameter          | 1 mm   |
| Speed of adjustment              | 5m/s   |
| Reproducibility                  | equal to resolution                                |
| Casing material                  | Aluminium 2017A                                    |
| Material of measuring wire       | Stainless steel 316L                               |
| IP code of casing                | IP67(SZ1210-M)<br>IP65(SZ1210-A)                   |
| Operating temperature            | -20°C to +80°C                                     |
| Storage temperature              | -40°C to +80°C                                     |
| Lifetime                         | 100 000 cycles                                     |



### Compact sensor for industrial use

The cable control sensor of the series SZ1210-A is ideal for the measurement of linear movements and positioning in industrial applications. The compact design allows an easy assembly. The robust aluminum housing in combined with our high production quality enables an accurate measurement even at hardly accessible measuring points

Order code (6 mm shaft diameter): SZ1210-M-10000-6

Order code (10 mm shaft diameter): SZ1210-M-10000-10

#### SZ1210-analog

