

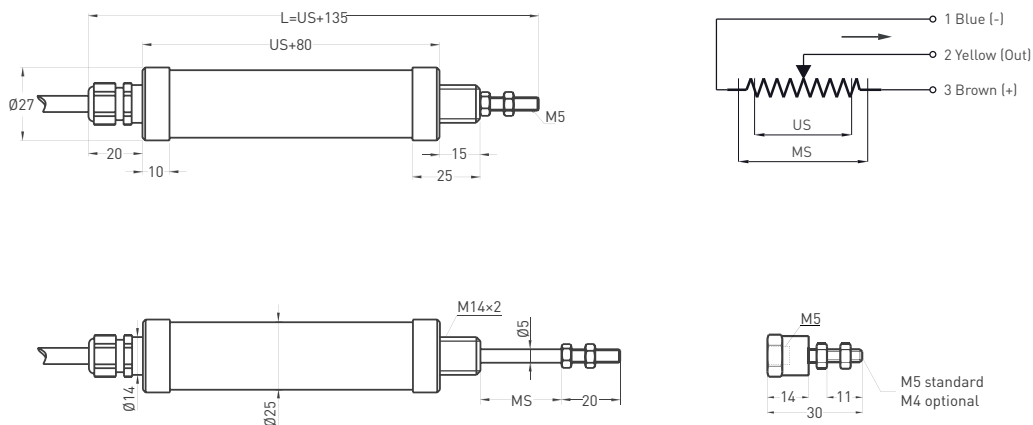
- Measuring range 25 - 400 mm
- Internal electronic circuit
- 4-20mA or 0-10V output



#### Technical Specifications

|                             |                                                                                                           |
|-----------------------------|-----------------------------------------------------------------------------------------------------------|
| Measurement stroke          | 25 - 400 mm                                                                                               |
| Linearity                   | $\pm 0.05$ ( $\geq 225$ mm), $\pm 0.1$ (130-200 mm),<br>$\pm 0.2$ (100-125 mm), $\pm 0.5$ ( $\leq 75$ mm) |
| Repeatability               | < 0.01 mm                                                                                                 |
| Resolution                  | Infinite                                                                                                  |
| Output                      | 4-20mA or 0-10V                                                                                           |
| Permissible applied voltage | 15 - 30 VDC                                                                                               |
| Electrical connections      | 1 m cable output (standard)                                                                               |
| Displacement speed          | < 5 m/s                                                                                                   |
| Mechanical life             | 100 million movement                                                                                      |
| Case dimensions             | $\varnothing 25$ mm                                                                                       |
| Case material               | Anodized aluminium                                                                                        |
| Rod material                | Stainless steel                                                                                           |
| Rod diameter                | $\varnothing 5$ mm                                                                                        |
| Protection level            | IP 65 - EN 60529                                                                                          |
| Operating temperature       | -20°C ... +80°C                                                                                           |
| Storage temperature         | -30°C ... +90°C                                                                                           |

#### Mechanical Specifications



|                           |     |     |     |     |     |     |     |     |     |     |     |     |
|---------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| ELSC (mm)                 | 25  | 50  | 75  | 100 | 125 | 150 | 175 | 200 | 250 | 300 | 350 | 400 |
| US<br>(Usefull stroke)    | 25  | 50  | 75  | 100 | 125 | 150 | 175 | 200 | 250 | 300 | 350 | 400 |
| MS<br>(Mechanical stroke) | 28  | 53  | 78  | 103 | 128 | 153 | 178 | 203 | 253 | 303 | 353 | 403 |
| L<br>(Total Length)       | 155 | 185 | 210 | 235 | 260 | 285 | 310 | 335 | 385 | 435 | 485 | 535 |

#### Ordering Procedure

| Model | Measurement stroke (mm) | Linearity (%)                                                                                                                   | Output                      | Connector / Cable                                                          |
|-------|-------------------------|---------------------------------------------------------------------------------------------------------------------------------|-----------------------------|----------------------------------------------------------------------------|
| ELSC  | 175                     | D                                                                                                                               | I40                         | C2                                                                         |
| ELSC  | 25 - 400 mm             | A: $\pm 0.5$ ( $\leq 75$ mm),<br>B: $\pm 0.2$ (100 - 125 mm),<br>C: $\pm 0.1$ (130 - 200 mm),<br>D: $\pm 0.05$ ( $\geq 225$ mm) | V10 : 0-10V<br>I40 : 4-20mA | 1M : 1 meter cable (standard)<br>1M5 : 1 meter cable<br>2M : 2 meter cable |