

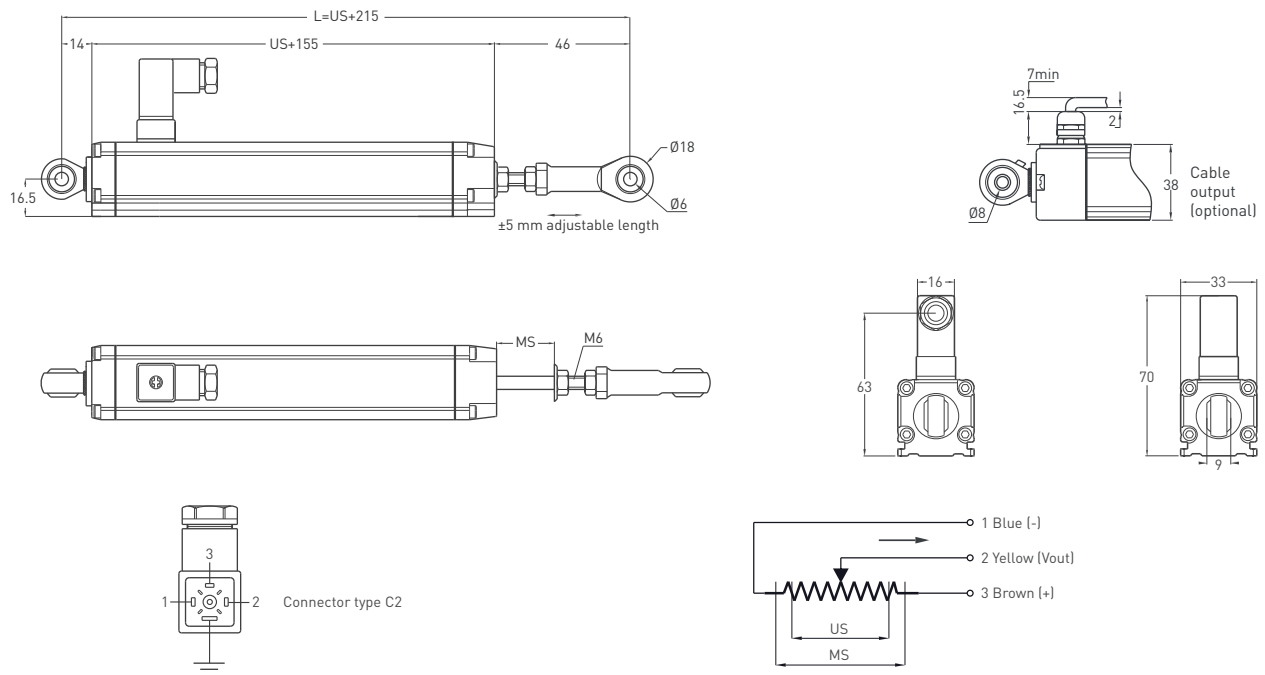
- Measuring range 50 - 600 mm
- Internal electronic circuit
- 4-20mA, 0-20mA, 0-10V output
- <0.01 mm repeatability



#### Technical Specifications

|                             |                                                                            |
|-----------------------------|----------------------------------------------------------------------------|
| Measurement stroke          | 50 - 600 mm                                                                |
| Linearity                   | ±%0.05 (≥225 mm), ±%0.1(130-200 mm),<br>±%0.2 (100-125 mm), ±%0.5 (≤75 mm) |
| Repeatability               | < 0.01 mm                                                                  |
| Resolution                  | Infinite                                                                   |
| Output                      | 4-20mA, 0-20mA, 0-10V, 20-4mA, 20-0mA, 10-0V                               |
| Permissible applied voltage | 15 - 30 VDC                                                                |
| Electrical connections      | 4 pin connector                                                            |
| Displacement speed          | < 5 m/s                                                                    |
| Mechanical life             | 100 million movement                                                       |
| Case dimensions             | 33 mm x 33 mm                                                              |
| Case material               | Anodized aluminium                                                         |
| Rod material                | Stainless steel                                                            |
| Rod diameter                | Ø6 mm                                                                      |
| Mechanical fixing           | Ball joints on the both sides                                              |
| Protection level            | IP 65                                                                      |
| Operating temperature       | -20°C ... +80°C                                                            |
| Storage temperature         | -30°C ... +90°C                                                            |

#### Mechanical Specifications



| ERTM(mm)                  | 50  | 75  | 100 | 125 | 130 | 150 | 175 | 200 | 225 | 250 | 275 | 300 | 325 | 350 | 375 | 400 | 450 | 500 | 550 | 600 |
|---------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| US<br>(Usefull stroke)    | 50  | 75  | 100 | 125 | 130 | 150 | 175 | 200 | 225 | 250 | 275 | 300 | 325 | 350 | 375 | 400 | 450 | 500 | 550 | 600 |
| MS<br>(Mechanical stroke) | 53  | 78  | 103 | 128 | 133 | 153 | 178 | 203 | 228 | 253 | 278 | 303 | 328 | 353 | 378 | 403 | 453 | 503 | 553 | 603 |
| L<br>(Total stroke)       | 265 | 290 | 315 | 340 | 345 | 365 | 390 | 415 | 440 | 465 | 490 | 515 | 540 | 565 | 590 | 615 | 665 | 715 | 765 | 818 |

#### Ordering Procedure

| Model | Measurement stroke (mm) | Linearity (%)                                                                                     | Output                                                                               | Connector            |
|-------|-------------------------|---------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|----------------------|
| ERTM  | 500                     | D                                                                                                 | V10                                                                                  | C2                   |
| ERTM  | 50 - 600 mm             | A: ±%0.5 (≤75 mm),<br>B: ±%0.2 (100 - 125 mm),<br>C: ±%0.1 (130 - 200 mm),<br>D: ±%0.05 (≥225 mm) | I40 : 4-20mA V10 : 0-10V<br>I04 : 20-4mA V01 : 10-0V<br>I20 : 0-20mA<br>I02 : 20-0mA | C2 : 4 pin connector |

Please note: The specifications and information in this datasheet may not cover all special demands arising from specific applications. Therefore, they do not constitute a comprehensive description of the product properties. OPKON accepts no responsibility for damages resulting from the improper application of our products. The user is responsible for ensuring that the products used are suitable for their own application.