

## | CDS18-MEC-20000

MECHANICAL DRAW-WIRE - MEASUREMENT RANGE 0 UP TO 20 000 MM





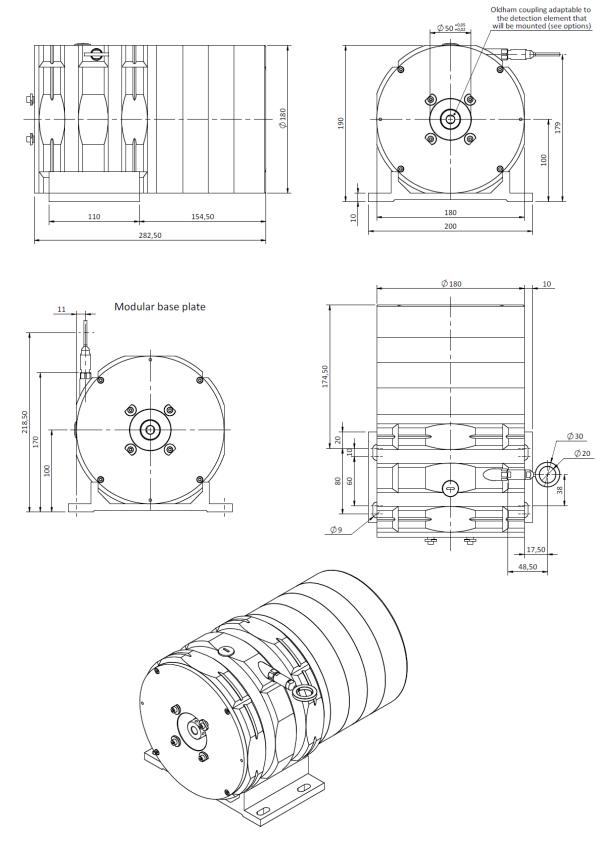
## SPECIFICATIONS

| Measurement range     | 0 up to 20 000 mm   |  |  |  |  |  |  |
|-----------------------|---|--|--|--|--|--|--|
| Circumference drum    | 500 mm/turn   |  |  |  |  |  |  |
| Sensing device        | Adaptable with all of our incremental or absolute encoders<br>Body and cover - aluminum (RohS)<br>Measuring cable - Stainless steel |  |  |  |  |  |  |
| Material              |   |  |  |  |  |  |  |
| Cable diameter        | 0,90 mm   |  |  |  |  |  |  |
| Standard linearity    | +/- 0,05% f.s.<br>+/- 0,01% f.s. (optional)   |  |  |  |  |  |  |
| Max. Velocity         | 10 m/s  |  |  |  |  |  |  |
| Max. Acceleration     | 2 m/s <sup>2</sup> (before cable deformation)   |  |  |  |  |  |  |
| Weight                | ≈ 12kg  |  |  |  |  |  |  |
| Operating temperature | -20° to +80°C   |  |  |  |  |  |  |
| Storage temperature   | -30° to +80°C   |  |  |  |  |  |  |

## CABLE FORCES

| Measurement range in mm | 20 000    |
|-------------------------|-----------|
| Min. pull-out force     | ≈ 15,00 N |
| Max. pull-out force     | ≈ 30,00 N |







| CI   | DS18       | -       | MEC         | -      | 20000 | - | 500 | - | L005 | -  | OP | - | AC |  |  |
|--|------------|---------|-------------|--------|-------|---|-----|---|------|----|----|---|----|--|--|
| Model  |            |         |             |        |       | _ |     | - |      |    |    | - |    |  |  |
| CDS18-MEC  |            |         |             |        |       |   |     |   |      |    |    |   |    |  |  |
| Measuren   | nent ra    | nge     |             |        |       |   |     |   |      |    |    |   |    |  |  |
| <b>20 000 =</b> 0 up to 2 (Other ra                            |            |         | on demand)  |        |       |   |     |   |      |    |    |   |    |  |  |
| Drum circ  | umfere     | ence    |             |        |       |   |     |   |      |    |    |   |    |  |  |
| <b>500 =</b> 500 mm/tur  | rn         |         |             |        |       |   |     |   |      |    |    |   |    |  |  |
| Linearity  |            |         |             |        |       |   |     |   |      |    |    |   |    |  |  |
| <b>L005 =</b> +/- 0.05% <b>L001 =</b> +/- 0.01%                |            | onal)   |             |        |       |   |     |   |      |    |    |   |    |  |  |
| OP Option  | ıs —       |         |             |        |       |   |     |   |      |    |    |   |    |  |  |
| 06 = Adapter flang<br>10 = Adapter flang<br>12 = Adapter flang | ge for Ø58 | B encod | ler with Ø1 | 0 axis | ·     |   |     |   |      | 0. |    |   |    |  |  |

- AC = Complete anodizing
- **BR** = Cleaning brush for the cable
- **BT** = Low temperature (down to  $-30^{\circ}$ C)
- **CP** = Fixing of the measuring cable with a clevis
- CF = HAING OF THE MEASURING CADLE WITH A CLEVIS
- M6 = Fixing of the measuring cable with a M6 threaded rod
- TEV = Water evacuation holes + ex. 180 for 180° holes (see the options page for further details)
- For the adaptation of an encoder or other sensor device which does not belong to our range, please contact us.





Made In France

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