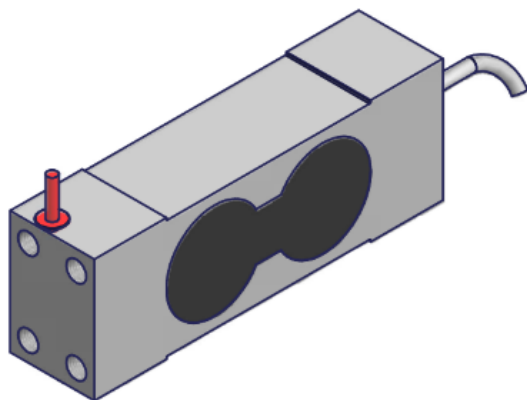


# CF

## Off-center load cell

### 1. Product description

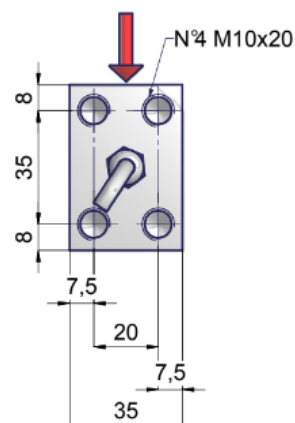
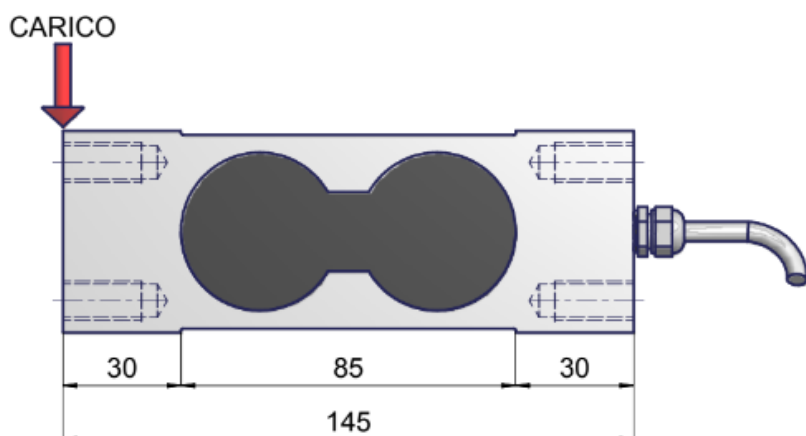


- 1 Capacities from 75 kg to 300 kg
- 2 Maximum platform size 600x600 mm
- 3 Protection IP65 (EN 60529)
- 4 High accuracy
- 5 Complies with OIML R60 regulations up to 3000 d
- 6 On request ATEX zona 22 version

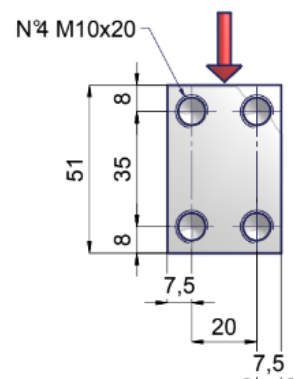
### 2. Applications

The off-center load cells mod. CF are parallelogram transducers and are mainly used for mounting on guideways. The off-center load performance allows a maximum platform size of 600x600mm.

### 3. Dimensions ( mm.)



| Portata kg | Std | OIML | ATEX |
|------------|-----|------|------|
| 75 kg      | ✓   | ✓    | ✓    |
| 100 kg     | ✓   | ✓    | ✓    |
| 200 kg     | ✓   | ✓    | ✓    |
| 300 kg     | ✓   | ✓    | ✓    |



# CF

## Off-center load cell

### 4. Product features

| Accuracy class                           | Standard                      | OIML C3                       |
|------------------------------------------|-------------------------------|-------------------------------|
| Capacities fs (E <sub>max</sub> )        | 75÷300 kg                     | 75÷300 kg                     |
| Plate                                    | 600 x 600 mm                  | 600 x 600 mm                  |
| Rated output (C <sub>n</sub> )           | 2 mV/V ± 0,1%                 | 2 mV/V ± 0,1%                 |
| Y = E <sub>max</sub> /V <sub>min</sub>   | //                            | 10000                         |
| Nominal excitation range                 | 5 ÷ 10V                       | 5 ÷ 10V                       |
| Maximum excitation                       | 15V                           | 15V                           |
| Zero balance output                      | ± 0,02 mV/V                   | ± 0,02 mV/V                   |
| Input resistance                         | 375 ± 25 Ω                    | 375 ± 25 Ω                    |
| Output resistance                        | 350 ± 2 Ω                     | 350 ± 2 Ω                     |
| Insulation resistance                    | > 5 GΩ                        | > 5 GΩ                        |
| Combined error                           | <± 0,040% fs                  | <± 0,022% fs                  |
| Non repeatability                        | <± 0,020% fs                  | <± 0,015% fs                  |
| Creep 30 min.                            | <± 0,035% fs                  | <± 0,024% fs                  |
| Temperature effect on zero balance (5°C) | <± 0,02% fs                   | <± 0,007% fs                  |
| Temperature effect on rated output (5°C) | <± 0,010% fs                  | <± 0,003% fs                  |
| Compensated temperature range            | -10°C ÷ +40°C                 | -10°C ÷ +40°C                 |
| Operating temperature range              | -20°C ÷ +70°C                 | -20°C ÷ +70°C                 |
| Maximum safe load                        | 150% fs                       | 150% fs                       |
| Ultimate load                            | >300% fs                      | >300% fs                      |
| Protection class (EN60529)               | IP65                          | IP65                          |
| Material                                 | Steel                         | Steel                         |
| Displacement at nominal load             | 0,30 ÷ 0,40 mm                | 0,30 ÷ 0,40 mm                |
| Fixing screws tightening torque          | 40 Nm                         | 40 Nm                         |
| Weight                                   | ~ 1,5 kg                      | ~ 1,5 kg                      |
| Cable lenght                             | 5m - 6 x 0,14 mm <sup>2</sup> | 5m - 6 x 0,14 mm <sup>2</sup> |
| OIML R60 test certificate number         | //                            | E - 98.02.C08                 |

### 5. Wire diagram

