

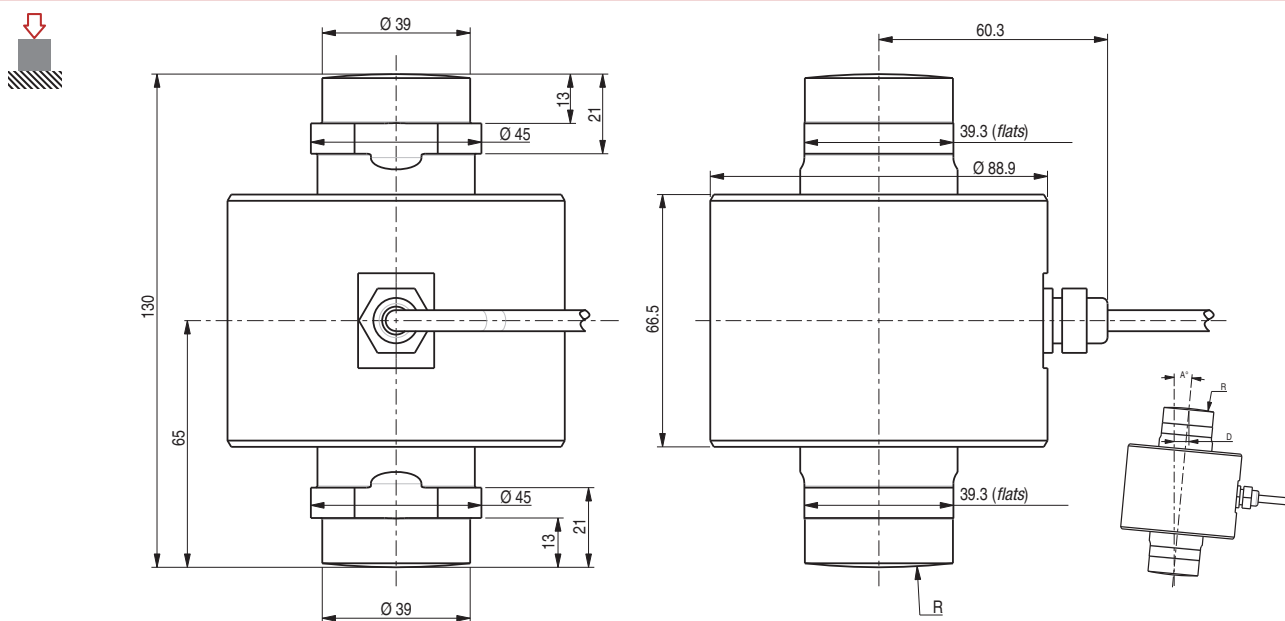
# CB50X

## 5 t ... 60 t



Plates kit sold separately

- Made of stainless steel hermetically welded IP68
- 4 000 d OIML R60 approved
- Spherical and self centering base
- Anti rotation system included
- Ideally suited for weighbridge use
- Suited as well for silo weighing (with stabican kit)



- Before use, please consult our technical note concerning the mounting instructions (NT WEIGHBRIDGE)

| Type >>     | 5, 10 t | 20 t | 30 t | 40 t | 60 t |
|-------------|---------|------|------|------|------|
| R (mm)      | 130     | 160  | 180  | 200  | 220  |
| A° max.     | 6.4°    | 4.4° | 3.7° | 3.1° | 2.4° |
| D max. (mm) | 14.5    | 11   | 10   | 7    | 5.5  |
| F (%)       | 11.2    | 11.2 | 11.6 | 11.2 | 10.1 |

D max. : Max. permissible lateral displacement of load introduction  
 A° max. : Slope at D max.F  
 D max. : Restoring force at D max. (% of applied load)

All dimensions in mm. Dimensions and specifications do not constitute any liability whatsoever. Technical drawings are available on request.

### Wiring

|          |          |          |          |
|----------|----------|----------|----------|
| + excit. | + signal | - signal | + excit. |
| red      | white    | yellow   | blue     |



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## Specifications

| METROLOGICAL                         |                                                                                                                                                                                                                                                                                 | C4 10e   |
|--------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| Rated capacity (Cn)                  | 5, 10, 20, 30, 40, 60                                                                                                                                                                                                                                                           | t        |
| Combined error                       | 0.013                                                                                                                                                                                                                                                                           | %Cn      |
| Temperature effect on zero           | ±0.0014                                                                                                                                                                                                                                                                         | %Cn/°C   |
| Temperature effect on sensitivity    | ±0.0011                                                                                                                                                                                                                                                                         | %Cn/°C   |
| Creep error (30 min.)                | 0.018                                                                                                                                                                                                                                                                           | %Cn      |
| LEGAL METROLOGY OIML R60             |                                                                                                                                                                                                                                                                                 |          |
| Accuracy class                       | C4                                                                                                                                                                                                                                                                              |          |
| Maximum capacity (Emax)              | 5, 10, 20, 30, 40, 60                                                                                                                                                                                                                                                           | t        |
| Max. number of LC intervals (nmax)   | 4 000                                                                                                                                                                                                                                                                           | d OIML   |
| Minimum verification interval (vmin) | Emax/10 000                                                                                                                                                                                                                                                                     | t        |
| Z=Emax/(2xDR)                        | 4 000                                                                                                                                                                                                                                                                           |          |
| ELECTRICAL                           |                                                                                                                                                                                                                                                                                 |          |
| Nominal range of excitation voltage  | 1 ... 15                                                                                                                                                                                                                                                                        | V        |
| Rated output at Cn                   | 2                                                                                                                                                                                                                                                                               | mV/V     |
| Zero balance                         | ±2.5                                                                                                                                                                                                                                                                            | %Cn      |
| Input/output resistance              | 815 ±20 / 700 ±0.35                                                                                                                                                                                                                                                             | Ω        |
| Current adjustment                   | 0.1                                                                                                                                                                                                                                                                             | %Cn      |
| Insulation resistance                | 5 000                                                                                                                                                                                                                                                                           | MΩ/50V   |
| GENERAL                              |                                                                                                                                                                                                                                                                                 |          |
| Compensated temperature range        | -10 ... +40                                                                                                                                                                                                                                                                     | °C       |
| Service temperature range            | -20 ... +60                                                                                                                                                                                                                                                                     | °C       |
| Safe load limit                      | 150                                                                                                                                                                                                                                                                             | %Emax    |
| Ultimate overload                    | 300                                                                                                                                                                                                                                                                             | %Emax    |
| Protection class                     | IP68                                                                                                                                                                                                                                                                            | EN 60529 |
| Material                             | Stainless steel<br>Nickel plated steel<br>PVC                                                                                                                                                                                                                                   |          |
| Measuring body                       |                                                                                                                                                                                                                                                                                 |          |
| Cable gland                          |                                                                                                                                                                                                                                                                                 |          |
| Cable sheath                         |                                                                                                                                                                                                                                                                                 |          |
| Cable length                         | 15                                                                                                                                                                                                                                                                              | m        |
| Net weight                           | 3                                                                                                                                                                                                                                                                               | kg       |
| OPTIONS                              |                                                                                                                                                                                                                                                                                 |          |
| ATEX 2014/34/EU, IECEx               | ☞ II 1 G/D, Ex ia IIC T6 Ga, Ex ia IIIC T80°C Da, IP6X, -20°C < Ta < +60°C (zone 0/20)<br>☞ II 1 D, Ex ta IIIC T125°C Da, IP6X, -20°C < Ta < +60°C (zone 20)<br>☞ II 3 G, Ex nA IIC T6 Gc, -20°C < Ta < +60°C (zone 2)*<br>GDT option : 10 kA / 20 kV (8/20 µs) - IEC 61000-4/5 |          |
| Over voltage protection              |                                                                                                                                                                                                                                                                                 |          |
| Anti-rodent shielded cable           | * Except GDT option                                                                                                                                                                                                                                                             |          |

## Accessories



Stabican



Kit LPM



Kit LPC



Kit LPS



Distributed exclusively in Italy by Nonis Balance

TechnositeAltéa-294,Rue Georges  
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