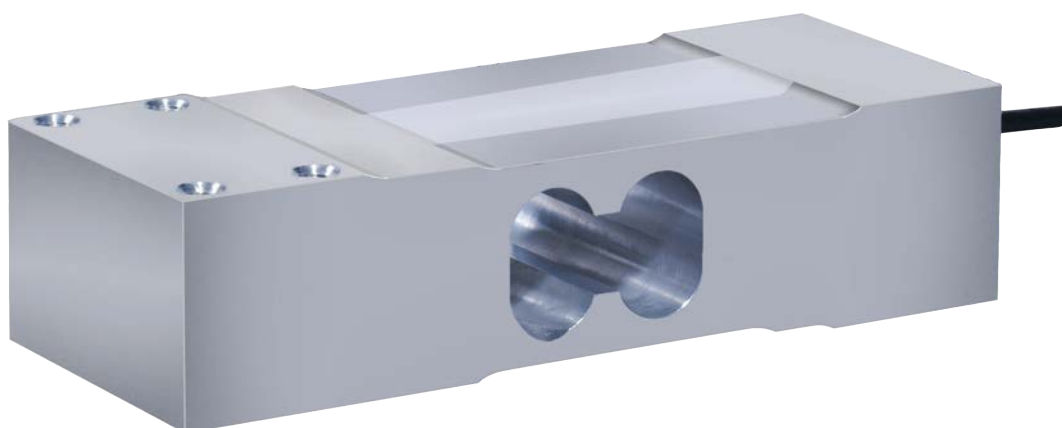


## Single Point Load Cell AP with a Rated Load of 75 ... 635 kg

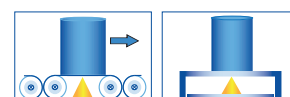


### Performance Features

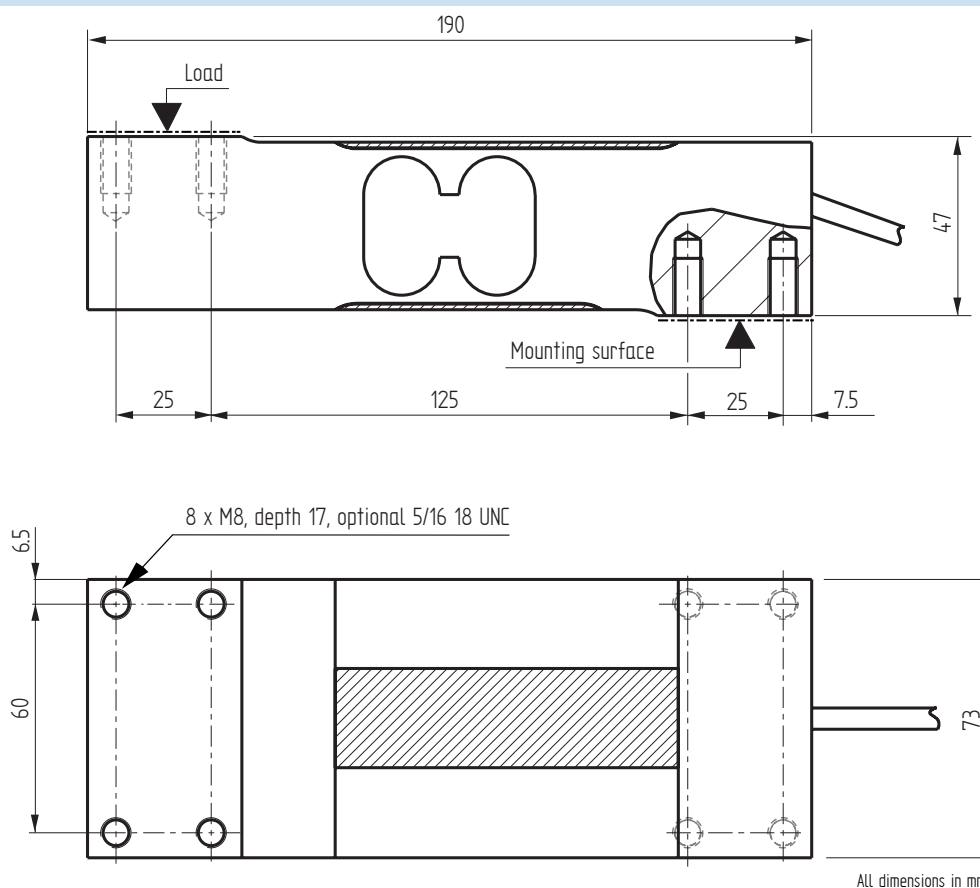
- Aluminum single point load cell
- 3000d OIML R60 and 5000d NETP approved
- Level of protection: IP65
- Designed for platforms of maximum dimensions 700 mm x 700 mm (off-center load compensated)
- Super flat construction
- ATEX 2014/34/EU version for hazardous area (option)

### Application

- Food industry
- Coal and steel industry
- Chemical/pharmaceutical industry
- Waste management/recycling
- Packaging technology



## Dimensions in mm



| Article-No. | Version | Rated Load [kg] |
|-------------|---------|-----------------|
| 106044      | C3 10e  | 75              |
| 106045      | C3 10e  | 100             |
| 106046      | C3 10e  | 150             |
| 111398      | C3 10e  | 200             |
| 109360      | C3 10e  | 300             |
| 106050      | C3 10e  | 500             |
| 106051      | C3 10e  | 635             |

## Connection Assignment

| Electrical Connection |            |   |
|-----------------------|------------|---|
| Function              | Wire Color |   |
| Excitation (+)        | Brown      | ● |
| Signal (+)            | Yellow     | ● |
| Signal (-)            | White      | ○ |
| Excitation (-)        | Green      | ● |
| Sensing (+)           | Gray       | ● |
| Sensing (-)           | Pink       | ● |

## Technical Data

| Type                                                          | AP                 |                                  |
|---------------------------------------------------------------|--------------------|----------------------------------|
| Version                                                       |                    | C3 10e                           |
| Rated load <b>E</b>                                           | kg                 | 75; 100; 150; 200; 300; 500; 635 |
| Maximum load for approved weighing <b>E<sub>max</sub></b>     | kg                 | 75; 100; 150; 200; 300; 500; 635 |
| Accuracy class OIML R60                                       |                    | C3                               |
| Maximum numbers of load cell intervals <b>n<sub>max</sub></b> | d OIML             | 3000                             |
| Minimum verification interval <b>v<sub>min</sub></b>          | kg                 | E/10000                          |
| Creep division factor $Z = E_{max}/2 \times DR$               |                    | 3000                             |
| Combined error                                                | % E                | ±0.017                           |
| Temperature coefficient of zero signal                        | % E/°C             | ±0.0014                          |
| Temperature coefficient of characteristic value               | % E/°C             | ±0.0014                          |
| Load creep <b>d<sub>cr, F</sub></b> in 30 min.                | % E                | ±0.025                           |
| Zero balance                                                  | % E                | ±10                              |
| Rated output at E <b>C<sub>nom</sub></b>                      | mV/V               | 2 ±10 %                          |
| Rated range of excitation voltage <b>B<sub>U, nom</sub></b>   | V                  | 1 ... 15                         |
| Input resistance <b>R<sub>e</sub></b>                         | Ω                  | 410 ±20                          |
| Output resistance <b>R<sub>a</sub></b>                        | Ω                  | 350 ±5                           |
| Insulation resistance <b>R<sub>is</sub></b>                   | MΩ/50V             | 1000                             |
| Electrical connection                                         |                    | Cable, PVC, 3 m                  |
| Rated temperature range <b>B<sub>T, nom</sub></b>             | °C                 | -10 ... 40                       |
| Operating temperature range <b>B<sub>T, G</sub></b>           | °C                 | -20 ... 60                       |
| Limit load <b>E<sub>lim</sub></b>                             | % E <sub>max</sub> | 150                              |
| Breaking load <b>E<sub>b</sub></b>                            | % E <sub>max</sub> | 200                              |
| Tightening torque                                             | Nm                 | 40                               |
| Maximum platform dimension                                    | mm                 | 700 x 700                        |
| Level of protection                                           |                    | IP65                             |
| Material                                                      |                    | Aluminium                        |
| Weight                                                        |                    | 1.6                              |

## Options

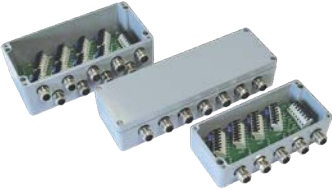
| Article-No. | Description                                                                                                                                |
|-------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| 111735      | Protective coating                                                                                                                         |
| 107798      | ATEX 2014/34/EU, IECEx:<br>ex II 1 G/D, Ex ia IIC T6 Ga, Ex ia IIIC T80 °C Da, IP6X, -20 °C < Ta < +60 °C (zones gaz 0/1/2, dust 20/21/22) |
| 115049      | ATEX 2014/34/EU, IECEx:<br>ex II 1 D, Ex ta IIIC T125 °C Da, IP6X, -20 °C < Ta < +60 °C (zones dust 20/21/22)                              |
| 115048      | ATEX 2014/34/EU, IECEx: ex II 3 G, Ex nA IIC T6 Gc, -20 °C < Ta < +60 °C (zone gaz 2)                                                      |

## Accessories

### Electrical Connection

| Article-No. | Description                                                                           |
|-------------|---------------------------------------------------------------------------------------|
| 10323       | Male cable connector KS6 (6-pin, Series 581) incl. mounting                           |
| 10320       | Male cable connector KSSH15 (15-pin) incl. mounting                                   |
| 43418       | Input connector ZA9612FS (ALMEMO) incl. sensor mounting and connector calibration     |
| 49205       | Input connector ZKD712FS (ALMEMO 202) incl. sensor mounting and connector calibration |

### Weighing Electronics

| ALCJB-A                                                                           | CPJ/CPJ2S                                                                         | IPE50 Panel                                                                         |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|  |  |  |

Further suitable accessories you can find on our homepage under:

[https://www.lorenz-messtechnik.de/english/products/lc\\_weighing-electronics.php](https://www.lorenz-messtechnik.de/english/products/lc_weighing-electronics.php)