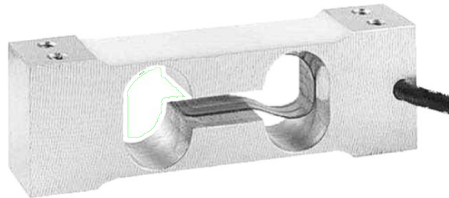
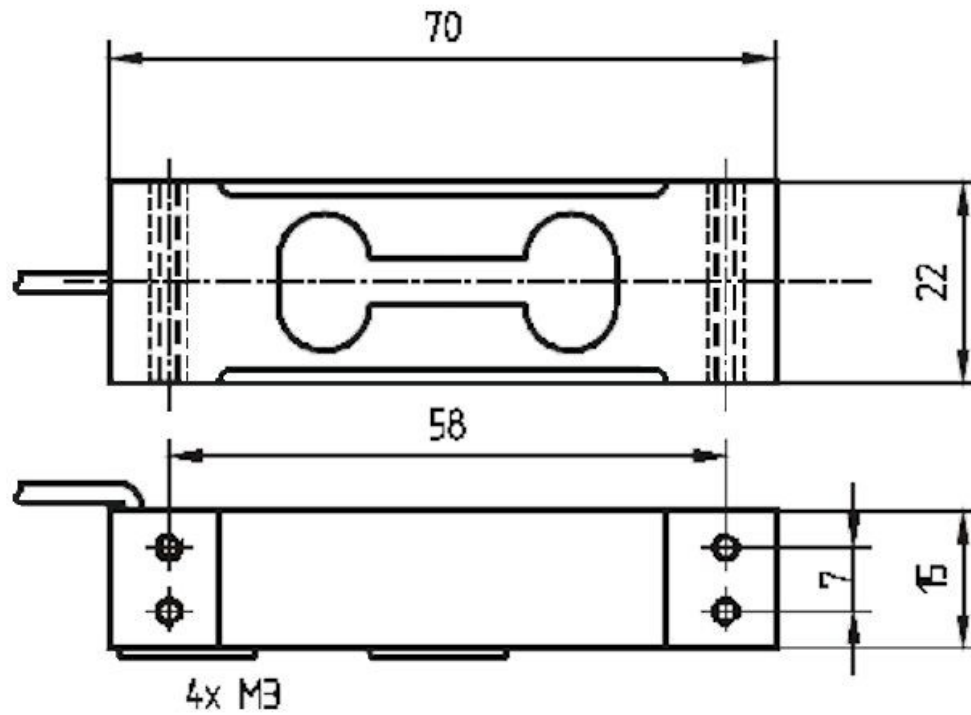


## Force Sensor 1006 2kg/G

Item number: 1893



## Technical Drawing



## Technical Data

| Basic Data      |                    | Unit |
|-----------------|--------------------|------|
| Type            | Wägezelle          |      |
| Force direction | Compression        |      |
| Rated force Fx  | 2                  | kg   |
| Material        | aluminum-alloy     |      |
| Dimensions      | 70mm x 15mm x 22mm |      |
| Breaking force  | 300                | %Fs  |
| Variants        | 2kg... 5kg         |      |

| Electrical Data                            |     | Unit |
|--|-----|------|
| Input resistance                           | 400 | Ohm  |
| Tolerance input resistance                 | 20  | Ohm  |
| Output resistance                          | 350 | Ohm  |
| Tolerance output resistance                | 3.5 | Ohm  |
| Insulation resistance                      | 2   | GOhm |
| Rated range of excitation voltage from     | 2.5 | V    |
| Rated range of excitation voltage to       | 5   | V    |
| Operating range of excitation voltage from | 1   | V    |
| Operating range of excitation voltage to   | 10  | V    |
| Zero signal                                | 10  | %Fs  |
| Rated output                               | 2   | mV/V |
| relative error of characteristic value     | 0.1 | mV/V |

| Accuracy Data |  | Unit |
|---------------|--|------|
|---------------|--|------|

| OIML Accuracy Data           |        | Unit                  |
|------------------------------|--------|-----------------------|
| OIML accuracy class          | G      |                       |
| Maximum no. of intervals (n) | 3000   |                       |
| Zero return, 30 min.         | 0.017  | ±% of applied load    |
| Total error                  | 0.02   | ±% of rated output    |
| Temperature effect on zero   | 0.004  | ±% of rated output/°C |
| Temperature effect on output | 0.001  | ±% of load/°C         |
| Eccentric loading error      | 0.0057 | ±% of rated load/cm   |

| Environmental Data               |      | Unit |
|----------------------------------|------|------|
| Rated temperature range from     | -10  | °C   |
| Rated temperature range to       | 40   | °C   |
| Operating temperature range from | -30  | °C   |
| Operating temperature range to   | 70   | °C   |
| Storage temperature range from   | -30  | °C   |
| Storage temperature range to     | 70   | °C   |
| Environmental protection         | IP66 |      |

Abbreviation : RD: „Reading“; FS: „Full Scale“;1) The exact nominal sensitivity is indicated in the test report;2) Nominal output for LCS130 250kg is 0,1%.

## Pin Assignment

| Channel | Symbol | Description            | Wire color | PIN |
|---------|--------|------------------------|------------|-----|
|         | +Us    | positive bridge supply | green      |     |
|         | -Us    | negative bridge supply | black      |     |
|         | +Ud    | positive bridge output | red        |     |
|         | -Ud    | negative bridge output | white      |     |

Shield- transparent.