



### **Applications:**

Off centre load cell Type SUP14 can be used in small capacity weighing systems.

#### **Some applications are:**

- Small weighing platforms
- Hopper weighing, etc.

### **Main features:**

- Universal use
- Aluminium construction
- Independent from centre of load application
- Platform size 250X300 mm
- Atex certification

### **Nominal load:**

Kg 3-6-10-15-20-25-30-50



**OFF CENTER  
LOAD CELL  
TYPE SUP14**

**Specification in according to VDI/VDE 2637**

| <b>Metrological Characteristics</b>           | <b>Par.</b> | <b>Un.</b> |        |
|---|-------------|------------|--------|
| Nominal Load                                  | Ln          | Kg         | 3÷50   |
| Initial Load                                  | Lp          | %Ln        | 20     |
| Maximum Load                                  | Ll          | %Ln        | 150    |
| Linearity                                     | Flin        | ±%Ln       | 0,02   |
| Hysteresis                                    | Fu          | ±%Ln       | 0,02   |
| Repeatability                                 | Fv          | ±%Ln       | 0,02   |
| Creep (in 30')                                | Fcr         | ±%Ln       | 0,03   |
| Nominal Temperature Range                     | Btn         | °C         | -10+40 |
| Zero Temperature Drift (10÷60°C, over 10°C)   | TKo         | ±%Cn       | 0,025  |
| Output Temperature Drift (10÷60°C, over 10°C) | TKC         | ±%Cn       | 0,025  |
| Thermal Gradient                              |             | K/h        | <5     |

| <b>Electrical Data</b>     |       |      |         |
|----------------------------|-------|------|---------|
| Nominal Output             | Cn    | mV/V | 2       |
| Nominal Output Tolerance   | Dc    | ±%Cn | 10      |
| Nominal Supply Voltage     | Bsu   | V    | 1÷10    |
| Maximum Supply Voltage     | Usmax | V    | 15      |
| Input Resistance           | Re    | Ω    | 410±15% |
| Output Resistance          | Ra    | Ω    | 350±3%  |
| Insulation Resistance @20V | Ris   | MΩ   | >2000   |
| Zero balance               | Do    | ±%Cn | ±2      |

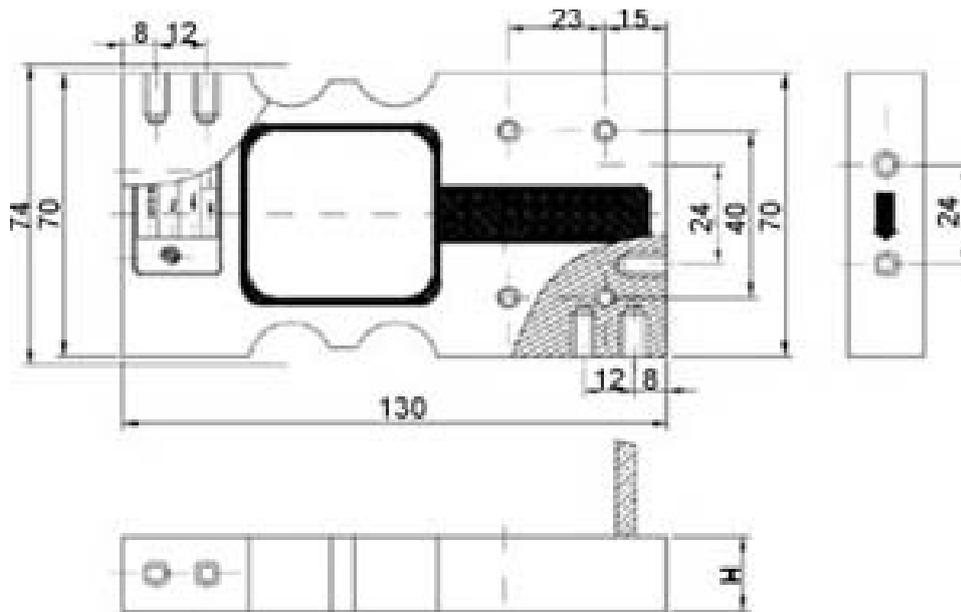
| <b>Mechanical Data</b> |     |     |      |
|------------------------|-----|-----|------|
| Breaking Load          | Ld  | %Ln | 200  |
| Maximum Side Load      | Llq | %Ln | 100  |
| Deflection             | hn  | mm  | <1   |
| Cable Length           |     | mm  | 1000 |
| Weight                 |     | Kg  | 0,2  |

| <b>Environmental Conditions</b> |     |    |        |
|---------------------------------|-----|----|--------|
| Working Temperature Range       | Btn | °C | -20+60 |
| Storage Temperature Range       | Bts | °C | -20+60 |
| Housing Protection              |     |    | IP -65 |

Subject to change without notice

**Dimensions:**

(in mm; 1mm = 0.03937 inches)



| CAPACITY | H  |
|----------|----|
| 3 ÷ 20   | 18 |
| 25 ÷ 50  | 30 |

