



Applications:

Bending load cell type BM11 can be used in small capacity weighing systems.

Some applications are:

- Small weighing platforms
- Hopper weighing, etc

Main features:

- Universal Use
- Low cost
- Stainless steel
- OIML test certificate N. : TC 7968 Revision 0

Nominal load:

Kg 5-10-20-30-50-100-200-250-300-350-500



**BENDING
LOAD CELL
TYPE BM11**

Specification according to VDI/VDE 2637

| Metrological Characteristics | Par. | Un. | C3 | OIML C3 | C4 |
|-------------------------------------|-------------|------------|-----------|----------------|-----------|
| Nominal Load | Ln | Kg | 5 | 10÷500 | |
| Initial Load | Lp | %Ln | 20 | | |
| Maximum Load | Ll | %Ln | 150 | | |
| Combined Error | Fv | ±%Ln | 0,023 | | 0,0174 |
| Nominal Temperature Range | Btn | °C | -10+40 | | |

| Electrical Data | | | | | |
|----------------------------|-------|------|----------|--|--|
| Nominal Output | Cn | mV/V | 2 | | |
| Nominal Output Tolerance | Dc | ±%Cn | 1 | | |
| Nominal Supply Voltage | Bsu | V | 5÷12 | | |
| Maximum Supply Voltage | Usmax | V | 18 | | |
| Input Resistance | Re | Ω | 460±50% | | |
| Output Resistance | Ra | Ω | 350±3,5% | | |
| Insulation Resistance @20V | Ris | MΩ | >5000 | | |
| Zero Balance | Do | ±%Cn | 1 | | |

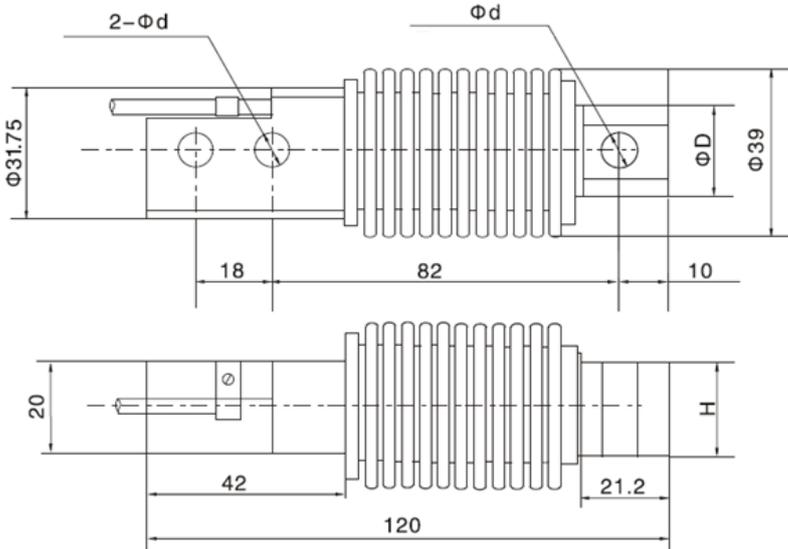
| Mechanical Data | | | | | |
|------------------------|-----|-----|-----------|--|--|
| Breaking Load | Ld | %Ln | 300 | | |
| Maximum Side Load | Llq | %Ln | 100 | | |
| Deflection | hn | mm | <1 | | |
| Cable Length | | mm | 3000/6000 | | |
| Weight | | Kg | | | |

| Environmental Conditions | | | | | |
|---------------------------------|-----|----|--------|--|--|
| Working Temperature Range | Btn | °C | -35+65 | | |
| Storage Temperature Range | Bts | °C | -40+70 | | |
| Housing Protection | | | IP -68 | | |

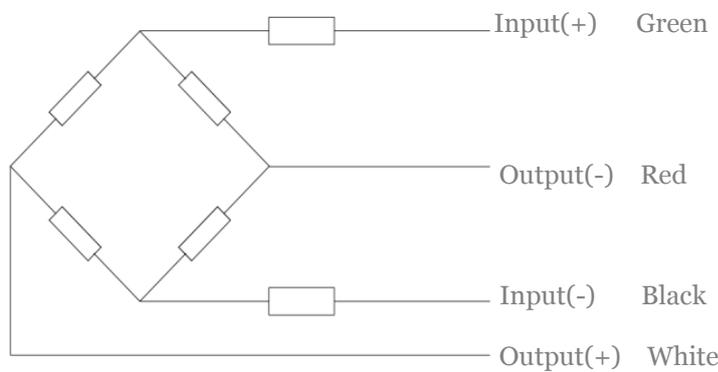
Subject to change without notice

**BENDING
LOAD CELL
TYPE BM11**

Dimensions: (in mm; 1mm = 0.03937 inches)



| Dimensions Capacity | d | D | H |
|---------------------|------|----|----|
| 5kg | 8.2 | 23 | 20 |
| 10kg | 8.2 | 23 | 20 |
| 20kg | 8.2 | 23 | 20 |
| 30kg | 8.2 | 23 | 20 |
| 50kg | 8.2 | 23 | 20 |
| 100kg | 8.2 | 23 | 20 |
| 200kg | 8.2 | 23 | 20 |
| 250kg | 10.3 | 24 | 19 |
| 350kg | 10.3 | 24 | 19 |
| 500kg | 10.3 | 24 | 19 |



Wiring:

- Shielded, 6 and 4 conductor cable for all capacities.
- Cable diameter: Ø5mm.
- Standard cable length for 4 conductor cable: 3m and for 6 conductor cable: 6m.
- Shield not connected to element

