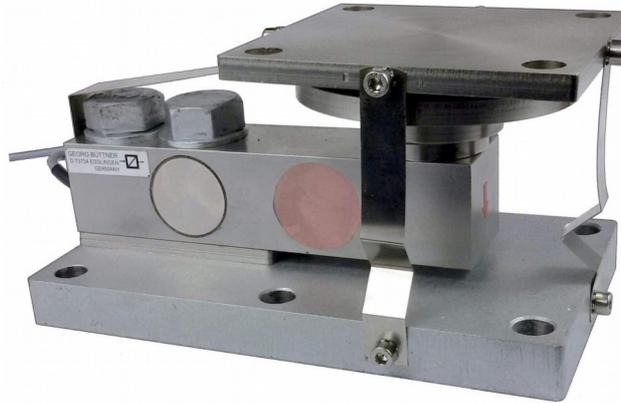


SPRINGMOUNT® Weighing Module

BS-M38G

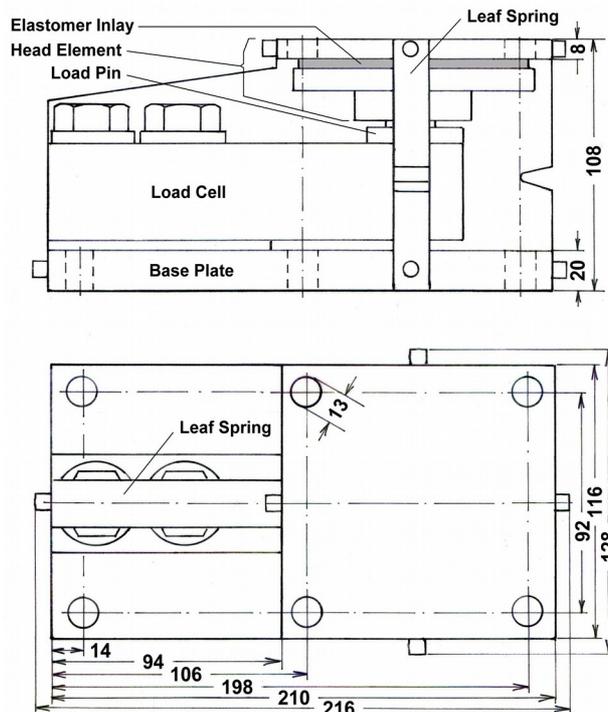
Capacities: 2500, 3000, 5000, 7000 kg.



Characteristics:

- Elastic Restraining using Leaf Springs (*SPRINGMOUNT®*-Technology)
- Optimised Force Transmission from Head Plate (with Elastomer Inlay) to Load Cell
- Load Cell made of Stainless Steel (17-4PH)
- Sensitivity 2 mV/V
- Accuracy Class 0.02%
- Environmental Protection IP 65

Dimensions:



Dimensions in mm.

Cable Diameter max. 5 mm, Cable Length 5 m (4-wire).



SPRINGMOUNT® Weighing Module

BS-M38G

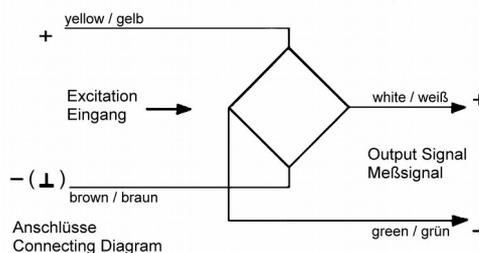
Technical Specifications:

Used Load Cell: BS38

| | | | |
|---|---------------------|--------------------------|--|
| Capacity | (E _{max}) | [kg] | 2500, 3000, 5000, 7000. |
| Accuracy Class | | | 0.02% |
| Maximum Number of Load Cell Intervals | (n _{LC}) | | 3000 |
| Minimum Load Cell Verification Interval | (V _{min}) | [% of E _{max}] | 0.01 |
| Sensitivity | (C _n) | [mV/V] | 2.00 ± 0.02 |
| Non-Linearity | (d _{lin}) | [% of C _n] | ≤ 0.02 |
| Zero Balance | | [% of C _n] | ≤ 1 |
| Temperature Effect on Zero Balance | (TC ₀) | [%C/10K] | ≤ 0.02 |
| Temperature Effect on Sensitivity | (TC _C) | [%C/10K] | ≤ 0.02 |
| Minimum Dead Load | | [% of E _{max}] | 0 |
| Safe Load Limit | (E _{lim}) | [% of E _{max}] | 150 |
| Breaking Load | (E _d) | [% of E _{max}] | 300 |
| Deflection at E _{max} | | [mm] | ≤ 0.90 |
| Creep (over 30 Minutes) | | [% of C _n] | ≤ 0.02 |
| Zero Return after 30 Minutes | | [% of C _n] | ≤ 0.02 |
| Excitation | | [V] | 5 ... 15 |
| Input Resistance | (R _{LC}) | [Ω] | 410 ± 30 |
| Output Resistance | (R _{OUT}) | [Ω] | 350 ± 5 |
| Insulation Resistance | | [MΩ] | > 3000 (at 100V DC) |
| Nominal Temperature Range | | [°C] | -10 ... +40 |
| Service Temperature Range | | [°C] | -20 ... +65 |
| Storage Temperature Range | | [°C] | -40 ... +75 |
| Material of Load Cell | | | Stainless Steel (17-4PH) |
| Material of Other Parts | | | either Stainless Steel or Galvanised Steel |
| Protection Class to EN 60 529 | | | IP65 |

Cable/Connections:

- 4-wire cable, 5 m long;
- Screened cable, screen not connected to load cell body;
- Cable diameter approx. 5 mm;
- End of wires stripped and tinned.



| | |
|--------------|--------|
| Excitation + | yellow |
| Excitation - | brown |
| Signal + | white |
| Signal - | green |

Optional Accessories:



Load Cell Junction Box, Model AK,
Stainless Steel Housing IP65



Load Cell Connection Cable,
4-wire or 6-wire, screened

More Weighing Technology (e. g. load cells, weight indicators, weighing amplifiers) on www.gbuettner.de.