

HM8

- Nickel plated alloy steel IP68 shear beam load cell
- Hermetically sealed
- Suitable for truck, track, hopper and other electronic weighing devices



Available models

| Capacity | Accuracy | Full article description |
|----------|-----------------------|--------------------------|
| 1t | C3 Excluded from OIML | HM8-C3-1t-6.5B6 |
| 2t | C3 Excluded from OIML | HM8-C3-2t-6.5B6 |
| 2.5t | C3 Excluded from OIML | HM8-C3-2.5t-6.5B6 |
| 3t | C3 Excluded from OIML | HM8-C3-3t-6.5B6 |
| 5t | C3 | HM8-C3-5t-6.5B6 |
| 10t | C3 | HM8-C3-10t-6.5B6 |
| 15t | C3 | HM8-C3-15t-6.5B6 |
| 20t | C3 | HM8-C3-20t-6.5B6 |
| 25t | C3 Excluded from OIML | HM8-C3-25t-6.5B6 |
| 30t | C3 Excluded from OIML | HM8-C3-30t-6.5B6 |

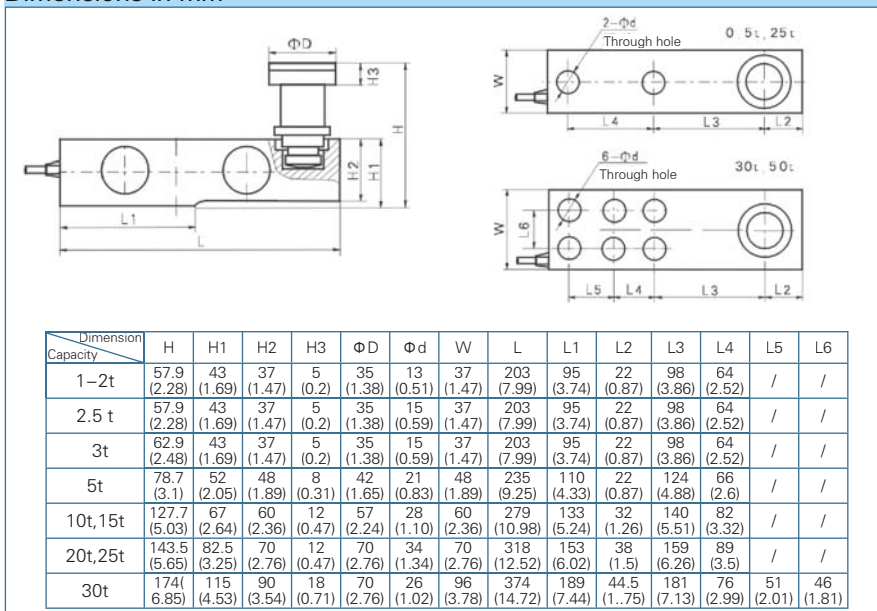


OIML test certificate no. TC8103 Revision 0
C of C no. R60/2000-NL1-12.14

Specification

| Accuracy class | | C3 | OIML R60 C3 |
|---|---------------------|--|--|
| Output sensitivity (= FS) | mV/V | 2.0 ± 0.002 | |
| Maximum capacity (E _{max}) | t | 1, 2, 2.5, 3, 30 | 5, 10, 15, 20, 25 |
| Maximum number of load cell intervals (nLC) | | 3000 | |
| Ratio of minimum LC verification interval Y = E _{max} / v _{min} | | 10000 | 15000 |
| Combined error | %FS | ± 0.020 | |
| Minimum dead load | of E _{max} | 0% | |
| Safe overload | of E _{max} | 150 % | |
| Ultimate overload | of E _{max} | 300 % | |
| Zero balance | %FS | ± 1.0 | |
| Excitation, recommended voltage | V | 5 ~ 12(DC) | |
| Excitation maximum | V | 18(DC) | |
| Input resistance | Ω | 400 ± 5 | |
| Output resistance | Ω | 352 ± 3.0 | |
| Insulation resistance | MΩ | ≥ 5000 (50VDC) | |
| Compensated temperature | °C | -10 ~ +40 | |
| Operating temperature | °C | -35 ~ +65 | |
| Storage temperature | °C | -40 ~ +70 | |
| Element material | | Nickel plated alloy steel | |
| Ingress protection (acc. To EN 60529) | | IP68 | |
| Recommended torque on fixation | N.m | M12: 100 M14:120 M20:500 M27:1075 M33:1975 | |
| ATEX classification (optional) | | II1G Ex ia IIC T4 | II1D Ex iaD 20 T73°C II3G Ex nL IIC T4 |

Dimensions in mm



Wiring

