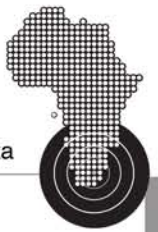


RICHTER SCALE

H9N

Visit www.load-cell.co.za • T +27 (0)12 386 3065 • E: loadcells@richterscale.co.za



- H9N load cells are available in the capacities 25Klb~200Klb.
- Alloy steel construction, potted by adhesive inside, oil proof, waterproof, anti-corrosive gas and medium making it suitable for all kinds of environments.
- Dual shear beam, suitable for electronic truck scales, hopper scales, track scales and other electronic weighing devices.

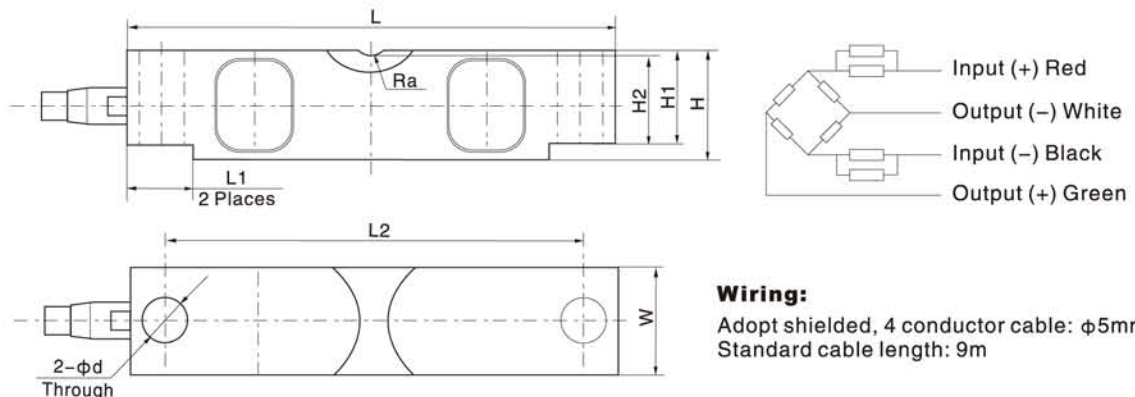
Features

- Capacity 25Klb~200Klb
- High accuracy
- Alloy steel construction
- Easy installation and reliable performance



| Specifications | | | | | |
|--|------------------|--------------------------------|-------------------------|-------------------------|-------------------------|
| Capacity | Klb | 25/40/50/60/75/100/125/150/200 | | | |
| Accuracy | | C2 | C3 | A5S | A5M |
| Maximum number of verification intervals | n _{max} | 2000 | 3000 | 5000 | 5000 |
| Minimum load cell verification interval | v _{min} | E _{max} /5000 | E _{max} /10000 | E _{max} /15000 | E _{max} /15000 |
| Combined error | (%FS) | ≤ ±0.030 | ≤ ±0.020 | ≤ ±0.018 | ≤ ±0.026 |
| Creep | (%FS/30min) | ≤ ±0.024 | ≤ ±0.016 | ≤ ±0.012 | ≤ ±0.017 |
| Temperature effect on sensitivity | (%FS/10°C) | ≤ ±0.017 | ≤ ±0.011 | ≤ ±0.009 | ≤ ±0.013 |
| Temperature effect on zero | (%FS/10°C) | ≤ ±0.023 | ≤ ±0.015 | ≤ ±0.010 | ≤ ±0.014 |
| Output sensitivity | (mv/v) | 3.0±0.003 | | | |
| Input resistance | (Ω) | 700±7 | | | |
| Output resistance | (Ω) | 703±4 | | | |
| Insulation resistance | (MΩ) | ≥5000(50VDC) | | | |
| Zero balance | (%FS) | 1.0 | | | |
| Temperature, compensated | (°C) | -10~+40 | | | |
| Temperature, operating | (°C) | -35~+65 | | | |
| Excitation, recommended | (V) | 5~12(DC) | | | |
| Excitation, max | (V) | 18(DC) | | | |
| Safe overload | (%FS) | 150 | | | |
| Ultimate overload | (%FS) | 300 | | | |

Outline Dimension mm(inch)



Wiring:

Adopt shielded, 4 conductor cable: ϕ 5mm
Standard cable length: 9m

| Dimension Capacity | L | L1 | L2 | H | H1 | H2 | Φ d | W | Ra |
|--------------------|------------------|-----------------|------------------|----------------|-----------------|-----------------|-----------------------|----------------|-----------------|
| 25Klb | 197 (7.75) | 35 (1.38) | 165 (6.5) | 49.3 (1.94) | 43.2 (1.7) | 41.4 (1.63) | Φ 17.3 (0.68) | 43 (1.7) | R19.1 (0.75) |
| 40Klb | 260.4 (10.25) | 49 (1.93) | 216 (8.5) | 62 (2.44) | 53.3 (2.1) | 50.8 (2.0) | Φ 20.6 (0.81) | 49.3 (1.94) | R25.4 (1.0) |
| 50~75Klb | 260.4 (10.25) | 49 (1.93) | 216 (8.5) | 74.7 (2.94) | 67.3 (2.65) | 64.5 (2.54) | Φ 26.9 (1.06) | 62 (2.44) | R25.4 (1.0) |
| 100~125Klb | 387.4 (15.25) | 79.5 (3.13) | 324 (12.76) | 98 (3.86) | 87.1 (3.43) | 83.8 (3.3) | Φ 41.2 (1.62) | 73.7 (2.9) | R38.1 (1.5) |
| 150~200Klb | 489 (19.25) | 127.8 (5.03) | 387.4 (15.25) | 147.3 (5.8) | 130.1 (5.12) | 112.8 (4.44) | Φ 41.2 (1.62) | 96.5 (3.8) | R50.8 (2.0) |