

- ◆BM14C load cells are available in the capacities 10t to 50t .
- ◆They offer 17-4PH stainless steel construction,electronic hermetic sealing,oil-proof,waterproof and anti-corrosive gas and medium making them lightening protected in all kinds of environment.
- ◆Single column, automatically recovery and they are suitable for truck scale,track scale and other electronic weighing devices.

Important Features

- ◆Capacities: 10t to 50t .
- ◆High accuracy.
- ◆Stainless steel construction.
- ◆Easy installation and reliable performance.
- ◆With OIML approval:(PTB:D09-07.03)



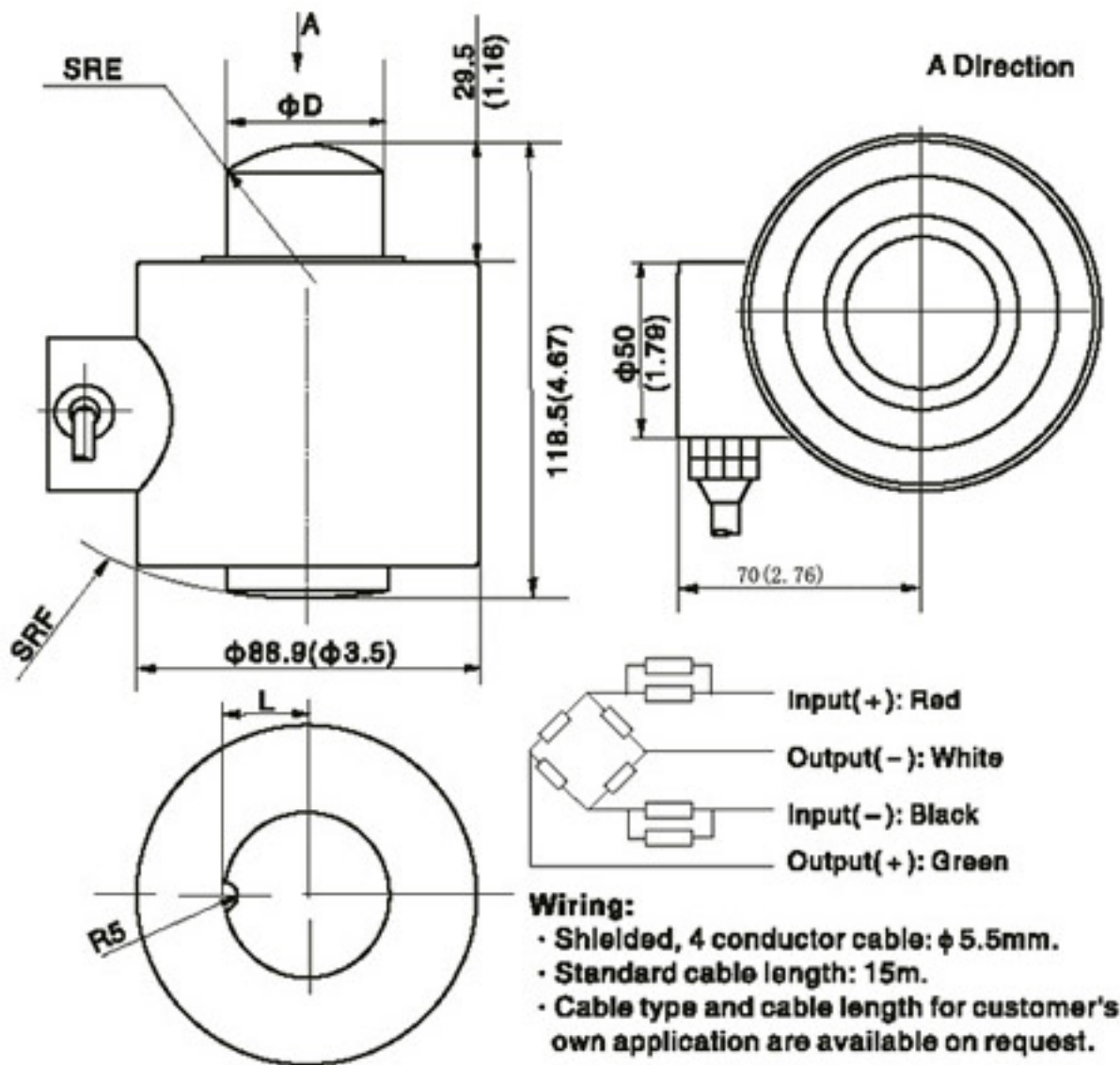
Accessories

- ◆BM-14-405
- ◆BY-14-103

Specifications

| Capacity                                 | t           | 10/20/25/30/40/50      |                        |                         |                         |                         |
|------------------------------------------|-------------|------------------------|------------------------|-------------------------|-------------------------|-------------------------|
| Accuracy class                           |             | C2                     | C3                     | C4                      | A5M                     | B10M                    |
| Approval                                 |             |                        | OIML R60 C3            | OIML R60 C4             |                         |                         |
| Maximum number of verification intervals | n max       | 2000                   | 3000                   | 4000                    | 5000                    | 10000                   |
| Minimum load cell verification interval  | v min       | E <sub>max</sub> /5000 | E <sub>max</sub> /7500 | E <sub>max</sub> /14000 | E <sub>max</sub> /15000 | E <sub>max</sub> /10000 |
| Combined error                           | (%FS)       | ≤±0.030                | ≤±0.020                | ≤±0.018                 | ≤±0.026                 | ≤±0.050                 |
| Creep                                    | (%FS/30min) | ≤±0.023                | ≤±0.016                | ≤±0.012                 | ≤±0.017                 | ≤±0.040                 |
| Temperature effect on sensitivity        | (%FS/10℃)   | ≤±0.017                | ≤±0.011                | ≤±0.009                 | ≤±0.013                 | ≤±0.040                 |
| Temperature effect on zero               | (%FS/10℃)   | ≤±0.029                | ≤±0.019                | ≤±0.010                 | ≤±0.014                 | ≤±0.020                 |
| Output sensitivity                       | (mV/V)      | 2.0 ± 0.002            |                        |                         |                         |                         |
| Input resistance                         | (Ω)         | 700 ± 7                |                        |                         |                         |                         |
| Output resistance                        | (Ω)         | 703 ± 4                |                        |                         |                         |                         |
| Insulation resistance                    | (MΩ)        | ≥ 5000(50VDC)          |                        |                         |                         |                         |
| Zero balance                             | (%FS)       | 1.5                    |                        |                         |                         |                         |
| Temperature, compensated                 | (℃)         | -10 ~ +40              |                        |                         |                         |                         |
| Temperature, allowed                     | (℃)         | -40 ~ +80              |                        |                         |                         |                         |
| Excitation, Recommended                  | (V)         | 5 ~ 12(DC)             |                        |                         |                         |                         |
| Excitation, Max                          | (V)         | 18(DC)                 |                        |                         |                         |                         |
| Safe overload                            | (%FS)       | 150                    |                        |                         |                         |                         |
| Ultimate overload                        | (%FS)       | 300                    |                        |                         |                         |                         |

Outline Dimension mm(inch)



| Capacity(t) | D        | E          | F         | L        |
|-------------|----------|------------|-----------|----------|
| 10,20,25,30 | 40(1.57) | 37.5(1.48) | 150(5.91) | 22(0.87) |
| 40,50       | 50(1.97) | 40(1.57)   | 160(6.3)  | 27(1.06) |