



### MLC902-Health Scale Steel Leaf Half Bridge Strain Gauge Load Cell

Model: MLC902

Product Catalog: Miniature Load Cell

Rated Load: 10kg、30kg、50kg、75kg

Overload Protection: 150%; Ultimate Overload: 200%

Dimensions: 34\*34\*H (mm)

Material: Alloy Steel

Suitable for: Health Scale, Bathroom Scale, Body Fat Scale, Weight Loss Scale、Baby Scale、Pet Scale、Kitchen Scale、Miniature Force



| Load Range             | 10kg                       | 30kg                       | 50kg                       | 75kg                       |
|------------------------|----------------------------|----------------------------|----------------------------|----------------------------|
| H1                     | 1.5                        | 2                          | 2.5                        | 3                          |
| H2                     | 6.8                        | 7.3                        | 7.8                        | 8.3                        |
| <b>HBRated Output:</b> | $0.5 \pm 0.15 \text{mv/v}$ | $1.0 \pm 0.15 \text{mv/v}$ | $1.0 \pm 0.15 \text{mv/v}$ | $1.0 \pm 0.15 \text{mv/v}$ |
| <b>FBRated Output:</b> | $1.0 \pm 0.15 \text{mv/v}$ | $1.8 \pm 0.15 \text{mv/v}$ | $1.8 \pm 0.15 \text{mv/v}$ | $1.8 \pm 0.15 \text{mv/v}$ |

#### Technical Parameters

|                      |                           |                          |                                    |
|----------------------|---------------------------|--------------------------|------------------------------------|
| Comprehensive Error: | 0.2%FS                    | Output Resistance:       | $1000\Omega \pm 5\%$               |
| Rated Output:        | Refer to Above Parameters | Insulation Resistance:   | $\geq 2000\text{M}\Omega$ (100VDC) |
| Non-linearity:       | 0.2%FS                    | Excitation Voltage:      | 3~10VDC                            |
| Hysteresis:          | 0.2%FS                    | Compensated Temp Range:  | -10~+40 C                          |
| Repeatability:       | 0.15%FS                   | Operating Temperature:   | -20~+55 C                          |
| Creep:               | 0.15%FS/10Min             | 温°Effect on Zero Effect: | 0.5%FS/10°C                        |
| Zero Balance:        | $\pm 0.3 \text{mv/v}$     | 温°对 SensitivityEffect:   | 0.2%FS/10°C                        |
| Input Resistance:    | $1000\Omega \pm 5\%$      | Protection Class:        | IP66 Protection Class              |

## Force Structure



## Product Dimensions





