

# CLMN

Miniature Load Cell

1, 2, 5, 10, 20, 30, 50, 100 kgf



## FEATURES

- Miniature dimension
- Compression applications
- Application for limited space
- Integral load button

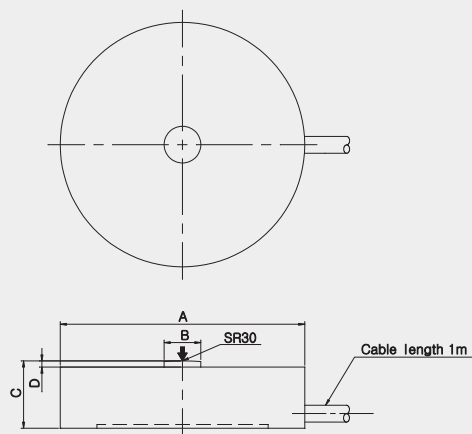
## Material

- Anodized Aluminum (1 ~ 10 kgf)
- Stainless steel (20 ~ 100 kgf)

## Cable

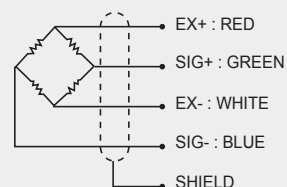
- Thin 4-wire cable of 36 AWG standard

## DIMENSIONS



| Model      | A  | B | C   | D   |
|------------|----|---|-----|-----|
| CLMN-1L    | 20 | 3 | 3.5 | 0.5 |
| CLMN-2L    |    |   |     |     |
| CLMN-5/10L |    |   |     |     |
| CLMN-20L   |    |   | 4.0 |     |
| CLMN-30L   |    |   |     |     |
| CLMN-50L   |    |   | 5.0 |     |
| CLMN-100L  |    |   |     |     |

Unit : mm



## SPECIFICATIONS

| Max. Capacity           |                            | kgf      | 1, 2, 5 kgf     | 10, 20, 30, 50, 100 kgf |
|-------------------------|----------------------------|----------|-----------------|-------------------------|
| Rated output            |                            | mV/V     | 0.5 (Approx)    | 1.0 (Approx)            |
| Zero balance            |                            | mV/V     | 0.0 ± 0.1       |                         |
| Combined error          | Zero value<br>Output value | %RO      | 2.0             |                         |
| Repeatability           |                            | %RO      | 1.0             |                         |
| Creep (30min.)          |                            | %RO      | 1.0             |                         |
| Temperature effect on   |                            | %RO/10°C | 0.5             |                         |
|                         |                            | %RO/10°C | 0.5             |                         |
| Excitation              | Recommended                | V        | 5               |                         |
|                         | Maximum                    | V        | 10              |                         |
| Resistance              | Input                      | Ω        | 350 ± 3.5       |                         |
|                         | Output                     | Ω        | 350 ± 3.5       |                         |
|                         | Insulation                 | MΩ       | > 2,000 @50V DC |                         |
| Compensated temp. range |                            | °C       | -10 ~ +40       |                         |
| Operating temp. range   |                            | °C       | -20 ~ +80       |                         |