

# LOAD CELLS

## CLA-NA Compression Load Cell 500N~20kN

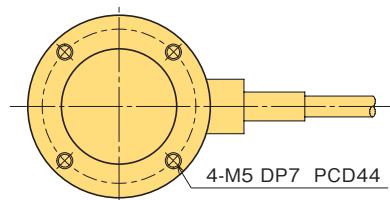
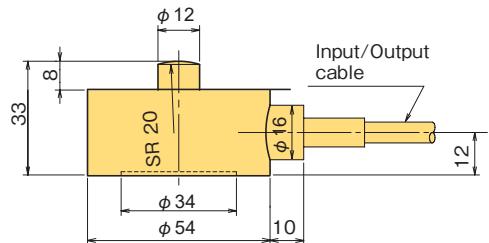


The CLA-NA Load Cell has a diaphragm type strain sensing element. It is compact, easy to operate and can be used to take consistent measurement.

Protection ratings: IP67 equivalent

**Small size**

**Hermetically sealed**



### ■ FITTING ACCESSORY

TYPE	Spherical Cap FA	Mounting Flange FB	Slide Support FC
CLA-500NA~ 20KNA	FA-20	FB-2-44	FC-2-20

Refer to pages 35~38 for load cell fitting accessories.

### ■ SPECIFICATIONS

TYPE	CLA-500NA	CLA-1KNA	CLA-2KNA	CLA-5KNA	CLA-10KNA	CLA-20KNA
Capacity	500N	1kN	2kN	5kN	10kN	20kN
Rated Output				1.5mV/V ( $3000 \times 10^{-6}$ strain) ±0.5%		
Non-linearity				0.2%RO		
Hysteresis				0.1%RO		
Natural frequency	6.1kHz	8.9kHz	13kHz	19kHz	24kHz	28kHz
Temperature effect on zero				0.01%RO/°C		
Temperature effect on span				0.01%/°C		
Compensated temperature range				-10 ~ +60°C		
Allowable temperature range				-20 ~ +70°C		
Over load				150%		
Input/Output resistance				350Ω±2%		
Recommended exciting voltage				6V or less		
Allowable exciting voltage				15V		
Zero balance				5%RO		
Weight			0.36kg		0.38kg	

Input/Output cable : φ6mm 0.35mm<sup>2</sup> 4-core shielded chloroprene cable 5m