

LOAD CELLS

CLB-NA Compression Load Cell 50~200N



**Low capacity
High precision**

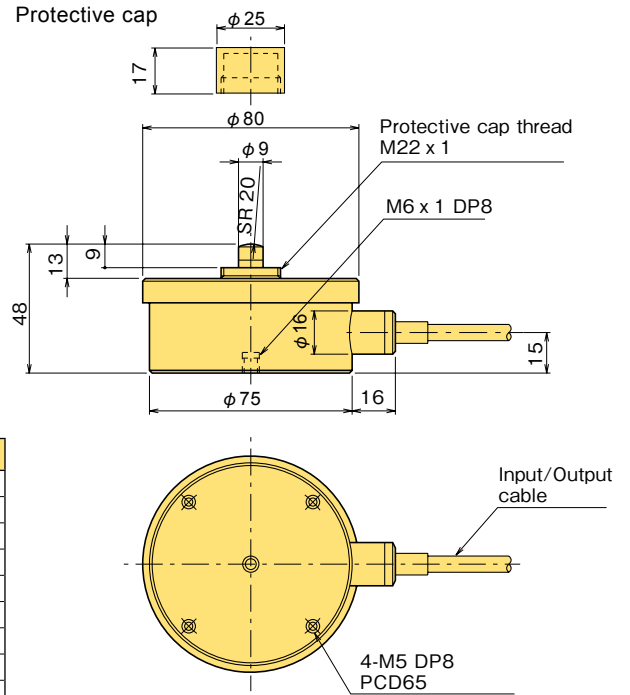
The CLB-NA Load Cell is a low-capacity, compression type load cell. An internal structure with fixed frame for strain generation ensures high precision measurement.

Protection ratings: IP40 equivalent <CLB-50NA>
IP42 equivalent <CLB-100NA, -200NA>

■ SPECIFICATIONS

TYPE	CLB-50NA	CLB-100NA	CLB-200NA
Capacity	50N	100N	200N
Rated Output	1.5mV/V (3000×10 ⁻⁶ strain) ±0.5%		
Non-linearity	0.1%RO		
Hysteresis	0.1%RO		
Natural frequency	1.2kHz	1.3kHz	1.9kHz
Temperature effect on zero	0.01%RO/°C		
Temperature effect on span	0.01%/°C		
Compensated temperature range	-10 ~ +60°C		
Temperature range	-20 ~ +70°C		
Over load	150%		
Input/Output resistance	350Ω±2%		
Recommended exciting voltage	Less than 6V		
Allowable exciting voltage	15V		
Zero balance	5%RO		
Weight	0.45kg		0.9kg

Input/Output cable : φ6mm 0.35mm² 4-core shielded chloroprene cable 5m



■ Dimensions

Type	Spherical cap FA	Mounting flange FB
CLB-50NA~ CLB-200NA	FA-20	FB-002-65

CLA-NA Compression Load Cell 500N~20kN



**Small size
Drip proof type**

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

■ 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 (3000×10 ⁻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					
Temperature range	-20 ~ +70°C					
Over load	150%					
Input/Output resistance	350Ω±2%					
Recommended exciting voltage	Less than 6V					
Allowable exciting voltage	15V					
Zero balance	5%RO					
Weight			0.36kg			0.38kg

Input/Output cable :
φ6mm 0.35mm² 4-core shielded chloroprene
cable 5m

