

# MULTI-COMPONENT LOAD CELLS

## 3-Component Load Cell SLP-NA-T 100N/200N/500N/1kN Made-to-order



The SLP-NA-T is a strain gauge based load cell for simultaneous measurement of forces in three mutually perpendicular axes. Since the load cell is constructed small and light, it is well suited to use in model testing.

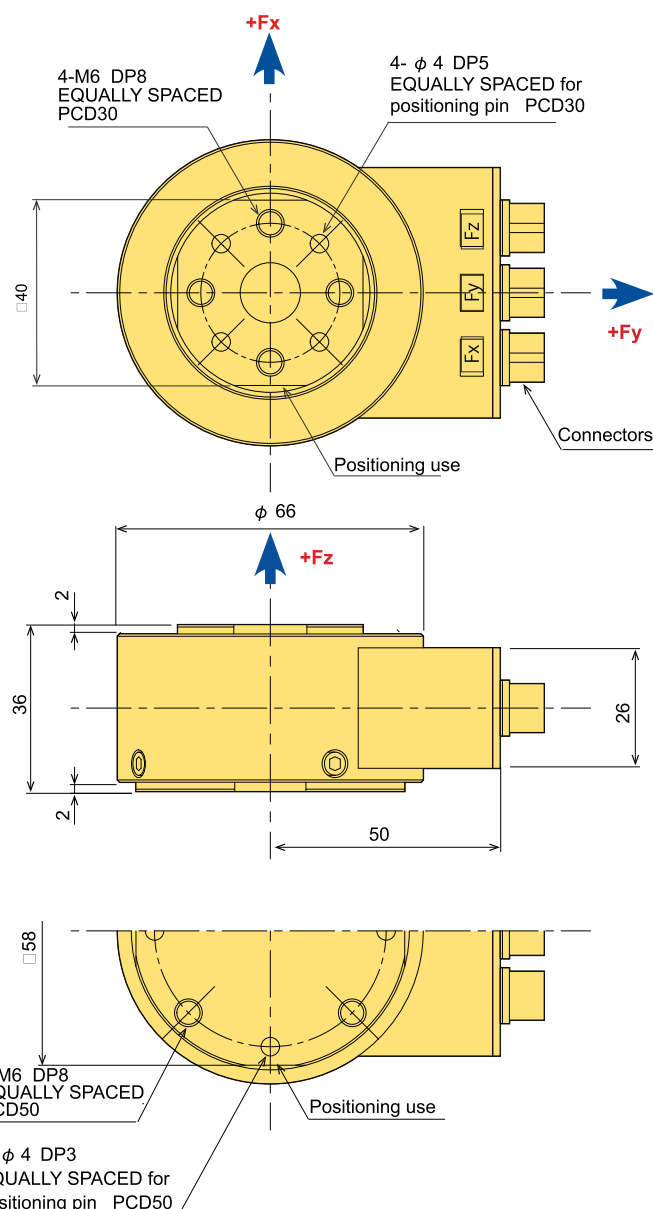
Protection ratings: IP65 equivalent

**Small and light**

**High frequency response**

**Easy handling**

**Applicable to wind tunnel testing and vibration testing of models**



### ■ SPECIFICATIONS

TYPE	SLP-100NA-T	SLP-200NA-T	SLP-500NA-T	SLP-1KNA-T
Capacity $F_x, F_y, F_z$	100N	200N	500N	1kN
Rated Output	Approx. 0.5mV/V (Approx. $1000 \times 10^{-6}$ strain)			
Non-linearity	0.5%RO			
Hysteresis	0.5%RO			
Cross sensitivity	2%RO			
Temperature effect on zero	0.05%RO/ $^{\circ}$ C			
Temperature effect on span	0.05%/ $^{\circ}$ C			
Compensated temperature range	-10 ~ +60 $^{\circ}$ C (No icing)			
Allowable temperature range	-20 ~ +80 $^{\circ}$ C (No icing)			
Over Load	150%			
Ultimate overload rating	200%			
Input/Output resistance	350 $\Omega$			
Recommended exciting voltage	2V or less			
Allowable exciting voltage	15V			
Zero balance	20%RO			
Weight	Approx. 300g		Approx. 800g	

Supplied cable :  $\phi 4$ mm 0.09mm<sup>2</sup> 4-core shielded vinyl cable 5m, 3 pcs.