

# OSC 92OT113 6 - Component Load Cell



## <Common Specifications>

Model	OSC 92OT113
Rated output	Approx. 0.5mV/V (approx. $1000 \times 10^{-6}$ strain) for each component force
Non-linearity	$\pm 0.2\%$ FS for each component force
Hysteresis	$\pm 0.2\%$ FS for each component force
Allowed overload	$\pm 150\%$ FS for each component force
Cross talk*	-Between the measured components forces : $\pm 2\%$ FS/FS
Temperature influence on the zero point	$\pm 0.01\%$ FS/ for each component force
Temperature influence on the sensitivity	$\pm 0.05\%$ Reading/ for each component force
Cable connection	NDI connector length = 5m

\* For the rated load, allowable load and allowable moment

\*\* A waterproof type is available.

Dimensions will be different from the standard type

## <Specifications of respective types>

Type	Rated Load (Allowable load/ moment)						Dimensions (mm)						Fitting screw		Weight Approx Kg	Material
	(N) Fx	(N) Fy	(N) Fz	(Nm) Mx	(Nm) My	(Nm) Mz	L <sub>1</sub>	L <sub>2</sub>	$\phi D_1$	$\phi D_2$	$\phi D_3$	$\phi D_4$	d	h		
-20N	20	20	20	10	10	5	170	11	118	98	85	20	M5	10	4	AL
-50N	50	50	50	20	20	10	170	11	118	98	85	20	M5	10	4	AL
-100N	100	100	100	40	40	20	170	11	118	98	85	20	M5	10	4	AL
-200N	200	200	200	80	80	40	190	15	148	128	110	20	M8	12	7	AL
-500N	500	500	500	200	200	100	190	15	148	128	110	20	M8	12	19	STEEL
-1000N	1000	1000	1000	400	400	200	220	15	188	158	110	20	M10	13	35	STEEL
-2000N	2000	2000	2000	1000	1000	500	250	27	218	188	150	50	M12	18	50	STEEL

\* Lc: the position of the moment center is indicated by a reference value.

