

# OSC 92OT103 Two Component Load Cell



## <Common Specifications>

Model	OSC 92OT103
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 component forces : $\pm 2\%$ FS/FS -By other component forces : $\pm 3\%$ 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

## <Specifications of respective types>

Type	Rated Load (Allowable load/ moment)						Dimensions (mm)								Weight Approx. Kg
	(N) Fx	(N) Fy	(N) Fz	(Nm) Mx	(Nm) My	(Nm) Mz	L <sub>1</sub>	L <sub>2</sub>	L <sub>c</sub> *	$\phi D_1$	$\phi D_2$	$\phi D_3$	Fitting screw		
													d	h	
-10N	10	10	(100)	(2.5)	(2.5)	(2.5)	80	2	40	88	75	65	M4	10	1
-20N	20	20	(200)	(5)	(5)	(5)	80	2	40	88	75	65	M4	10	1
-50N	50	50	(400)	(12.5)	(12.5)	(12.5)	80	2	40	88	75	65	M4	10	1
-100N	100	100	(600)	(25)	(25)	(25)	80	2	40	88	75	65	M5	10	1
-200N	200	200	(1000)	(50)	(50)	(50)	80	2	40	88	75	65	M5	10	1
-500N	500	500	(2000)	(80)	(80)	(80)	80	2	40	108	90	75	M5	10	2.2

\* L<sub>c</sub>: the position of the moment center is indicated by a reference value.

