OSC 92OT102 Two Component Load Cell

<Common Specifications>

Model	OSC 92OT102
Rated output	Approx. 0.5mV/V(approx. 1000x10^{-6} strain) for each component force
Non-linearity	±0.2%FS for each component force
Hysteresis	±0.2%FS for each component force
Allowed overload	±150%FS for each component force
Cross talk*	-Between the measured component forces : ±2%FS/FS -By other component forces : ±3%FS/FS
Temperature influence on the zero point	±0.01%FS/℃ for each component force
Temperature influence on the sensitivity	±0.05%Reading/℃ for each component force
Cable connection	NDI connector length = 5m

* For the rated road, allowable load and allowable moment

<Specifications of respective types>

Type	Rated Load (Allowable load/ moment)						Dimensions (mm)									Weight
	(N)	(N)	(N)	(Nm)	(Nm)	(Nm)								Fitting screw		Aprrox.
	Fx	Fy	Fz	Mx	My	Mz	L_1	L_2	L_c*	φD_1	φD_2	φD_3	φD_4	d	h	Kg
-10N	10	(25)	10	(2.5)	(2.5)	(2.5)	87	10	43.5	88	75	65	20	M4	8	1.2
-20N	20	(50)	20	(5)	(5)	(5)	87	10	43.5	88	75	65	20	M4	8	1.2
-50N	50	(125)	50	(12.5)	(12.5)	(12.5)	100	12	50	98	78	65	20	M5	10	1.5
-100N	100	(250)	100	(25)	(25)	(25)	100	12	50	98	78	65	20	M5	10	1.5
-200N	200	(500)	200	(50)	(50)	(50)	120	12	60	118	100	85	15	M8	10	8
-500N	500	(800)	500	(80)	(80)	(80)	120	12	60	118	100	85	15	M8	10	8
-1000N	1000	(1200)	500	(100)	(100)	(100)	138	17	69	138	118	100	20	M8	15	13

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