

OSC 92OT105 Self Propulsion Dynamometer

-Two component load cell (Thrust, Torque)



<Common Specifications>

Model	OSC 92OT105
Rated output	Approx. 1mV/V (approx. 1000×10^{-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 : $\pm 0.3\%$ FS/FS
Temperature influence on the zero point	$\pm 0.01\%$ FS/ for each component force
Temperature influence on the sensitivity	$\pm 0.01\%$ Reading/ for each component force
Rotation detector	Rotary encoder (100PPR)
Max. rotating speed	30rpm
Secondary calibrator	1/2 Standard (other requirements on optional extra)

* A waterproof type is available.

Dimensions will be different from the standard type

<Specifications of respective types>

Type	Rated Load		Dimensions (mm)															Fitting screw		Weight Approx Kg
	(N) Fx	(Nm) Mx	L ₁	L ₂	L ₃	L ₄	L ₅	L ₆	L ₇	L ₈	L ₉	H ₁	H ₂	H ₃	ϕD_1	ϕD_2	ϕD_3	d	h	
A-5N	5	0.1	225	195	52	60	70	125	35	20	4	65	25	90	25	18	8H7	M3	4	4
A-10N	10	0.2	225	195	52	60	70	125	35	20	4	65	25	90	25	18	8H7	M3	4	4
A-20N	20	0.5	225	195	52	60	70	125	35	20	4	65	25	90	25	18	8H7	M3	4	4
B-20N	20	0.5	276	250	72	85	100	150	55	16	6	80	30	110	40	32	17H7	M4	4	5
B-30N	30	1	276	250	72	85	100	150	55	16	6	80	30	110	40	32	17H7	M4	4	5
B-60N	60	2	276	250	72	85	100	150	55	16	6	80	30	110	40	32	17H7	M4	4	5
B-120N	120	5	276	250	72	85	100	150	55	16	6	80	30	110	40	32	17H7	M4	4	5
B-250N	250	10	276	250	72	85	100	150	55	16	6	80	30	110	40	32	17H7	M4	4	5
B-400N	400	20	305	270	80	95	110	150	65	16	6	90	35	125	45	35	17H7	M5	4	5

