

# Non-rotating torque transducer



## Features

Capacity 100Nm-5000Nm

High precision

Easy and fast installation

Nickel plated alloy steel

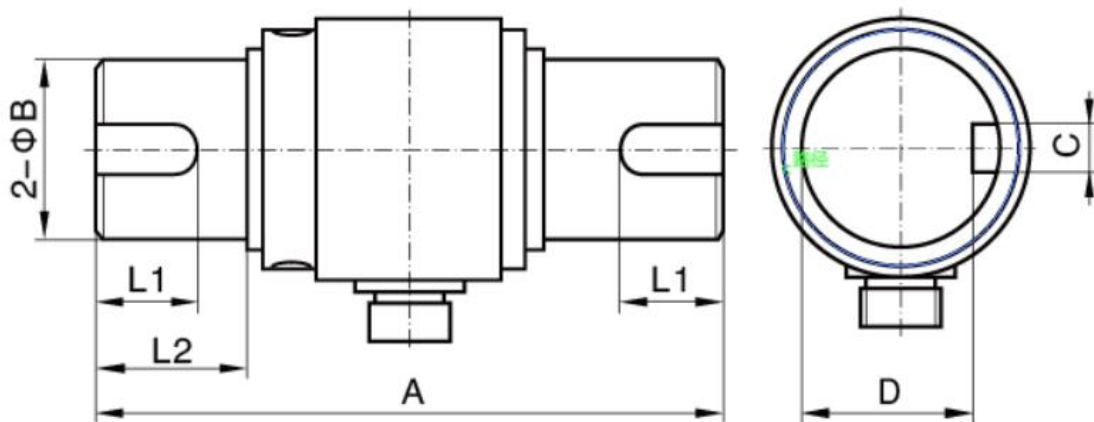
## Optional features

Stainless steel construction

## DESCRIPTION

The ZMZNJ is static non-rotating torque transducer. The torque sensor measures shaft-shaft type connection, measuring torque by strain gages. There are both analog and digital output signals available for evaluation. The stainless steel construction is optional.

## DIMENSIONS (mm)



Capacity	A	ΦB	C	D	L1	L2
100Nm	105	30	8	26	16	25
200-100Nm	210	50	16	44	60	73.5
2000-5000Nm	245	75	20	67.5	75	91

## SPECIFICATIONS

PARAMETER	VALUE	UNIT
Standard capacities (E <sub>max</sub> )	100-5000	Nm
Rated output-R.O.	1.0~2.0	mV/V
Zero balance	1	±% of rated output
Non linearity	0.3	±% of rated output
Hysteresis	0.3	±% of rated output
Non-repeatability	0.1	±% of rated output
Creep error (30 minutes)	0.03	±% of rated output
Zero return (30 minutes)	0.03	±% of rated output
Temperature effect on min. dead load output	0.0026	±% of rated output/°C
Temperature effect on sensitivity	0.0015	±% of rated output/°C
Compensated temperature range	-10 to +40	°C
Operating temperature range	-20 to +60	°C
Safe overload	150	% of R.C
Ultimate overload	200	% of R.C
Excitation, recommended	10	Vdc
Excitation, maximum	15	Vdc
Input resistance	370±20	Ohms
Output resistance	350±3	Ohms
Insulation resistance	5000	Mega-Ohms
Material	Alloy steel	
Protection class	IP66	

All specifications listed subject to change without notice.