



# Embedded System Laboratories Pvt. Ltd.

(An ISO 9001:2015 certified company)

86, Lane No. 7, Near Laxmi Dairy, Gurudwara Road, Jawahar Colony,  
N.I.T. Faridabad - 121005, Haryana, India

Phone :- +91-129-2230671 Mob. +91-9811482048, 9311482051

Website : [www.eslpl.com](http://www.eslpl.com) E-mail :- [eslfaridabad@yahoo.com](mailto:eslfaridabad@yahoo.com)

## DYNAMIC TORQUE TRANSDUCER

### DESCRIPTION

EDTWL are high performance, dynamic/reaction type torque transducers with excellent sensitivity and repeatability.



### PERFORMANCE SPECIFICATION

Rated Capacities	10, 20, 50, 100, 200, 250, 750, 1000,1500 Nm
Rated Output	RS232 (TTL) / 0-10V optional
Non-linearity	< $\pm 0.1\%$ of Full Scale
Creep (30 Mins)	< $\pm 0.05\%$ of Full Scale
Zero	< $\pm 2\%$ of Full Scale
Hysteresis	< $\pm 0.05\%$ of Full Scale
Repeatability	< $\pm 0.05\%$ of Full Scale
Temp. Effect on Output	< $\pm 0.012\%$ Load / $10^{\circ}\text{C}$
Temp. Effect on Zero	< $\pm 0.02\%$ R.O. / $10^{\circ}\text{C}$
Compensated Temp. Range	$-10^{\circ}\text{C}$ to $50^{\circ}\text{C}$
Operating Temp. range	$-10^{\circ}\text{C}$ to $50^{\circ}\text{C}$
Safe Overload	150 % of Rated Capacity
RPM	0 - 3000 rpm
Insulation Resistance	> 2000 Mohms (50 VDC)
Supply Voltage	18-24 VDC (250 mA)