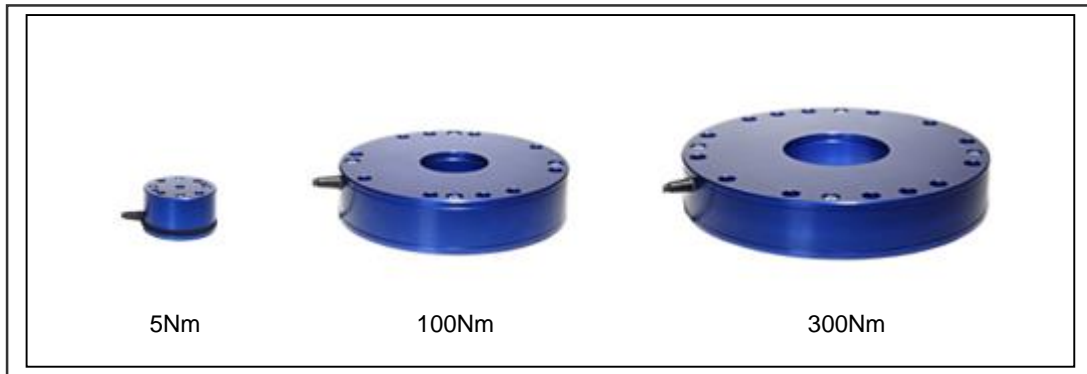


Electrostatic Capacitance Torque Sensor

Electrostatic Capacitance Torque Sensor

ESTORQ®

- ESTORQ cancel eccentricity and perpendicularity caused by torsional deflection and detect only Torque.
- ESTORQ is easy to be used since it does not require external module for correction processing.
- By adopting electrostatic capacitance system, it is excellent in mass-productivity, simple construction, light weight & low cost due to adoption of electrostatic capacitance system.



Feature

- Light weight, Simple Construction, Low Cost
- Unnecessary External Module
- Added Temp. corrected sensor

Application

- Force control for Robot
- Force control for Auto Assembly Equipment
- Other

Specification	
Power supply	DC 5V
Out Put Form	RS422/RS485
Interface	USB/Loose Wires
Consumption Current	120mA
Operating Temp. Limit	0~80°C
Nonlinearity	Below 1.5%FS
Hysteresis	Below 1.5%FS
Frequency Response	5 kHz (RS422) /3kHz (RS485)
Resolution	10bit
Protection Level	IP65
Material	Aluminum
Microcomputer Box Size	W40mm x L30mm x H20mm

*There is a possibility that specification will change in the future .

Contact Us

I-PEX Inc. Sensors Marketing Dept., Marketing Div., Sales Unit



<http://www.corp.i-pex.com>



Please check the ESTORQ demo movie.

YouTube ESTORQ

Search

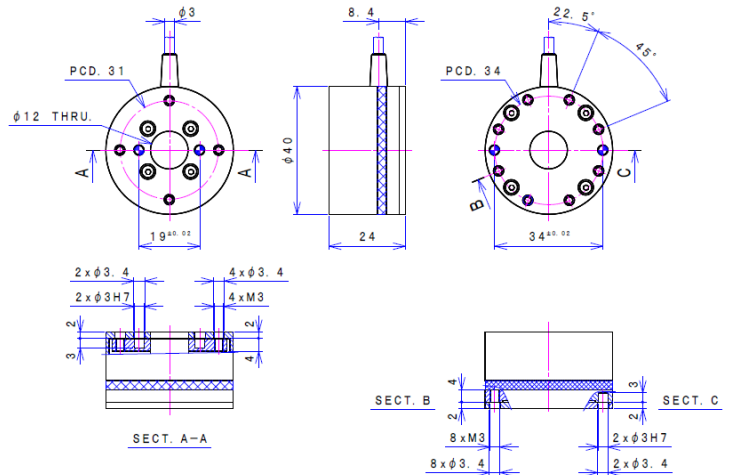


Electrostatic Capacitance Torque Sensor

5Nm Specification

Measurable Force	5 Nm
External Dimension	Φ40×H24mm
Hollow Diameter	Φ12mm
Weight	50g
Allowable Moment *	1Nm (1/0.5 times)

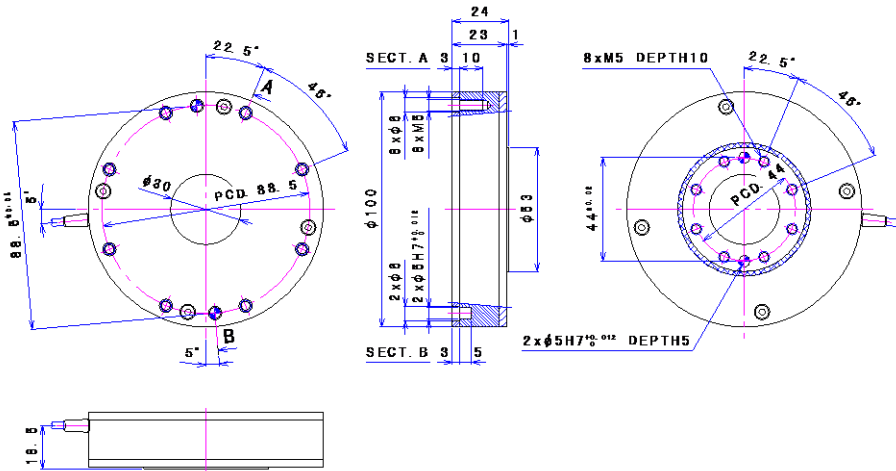
*This value is a simulation value.



100Nm Specification

Measurable Force	100 Nm
External Dimension	Φ100×H24mm
Hollow Diameter	Φ30mm
Weight	330g
Allowable Moment *	50Nm (1/0.7 times)

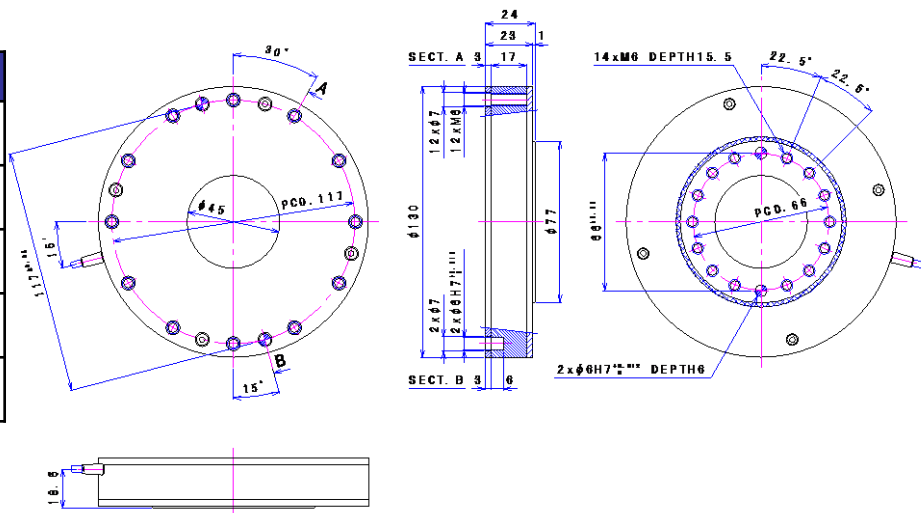
*This value is a simulation value.



300Nm Specification

Measurable Force	300 Nm
External Dimension	Φ130×H24mm
Hollow Diameter	Φ45mm
Weight	600g
Allowable Moment *	150Nm (1/0.7 times)

*This value is a simulation value.



Microcomputer Box Size
(※Common)

