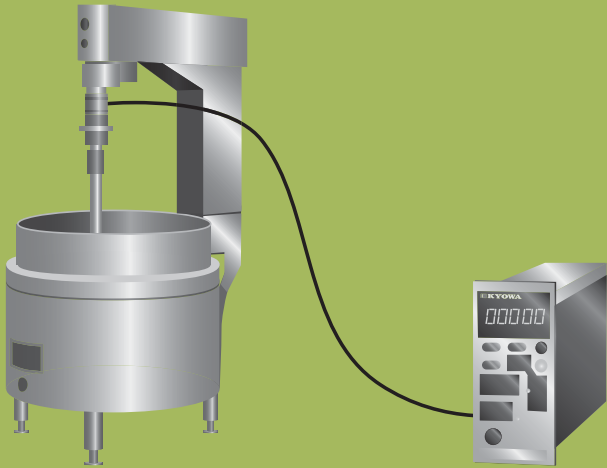
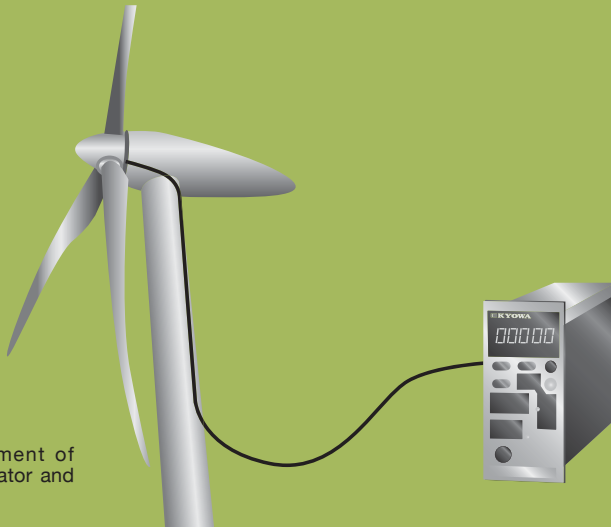


Torque Transducers

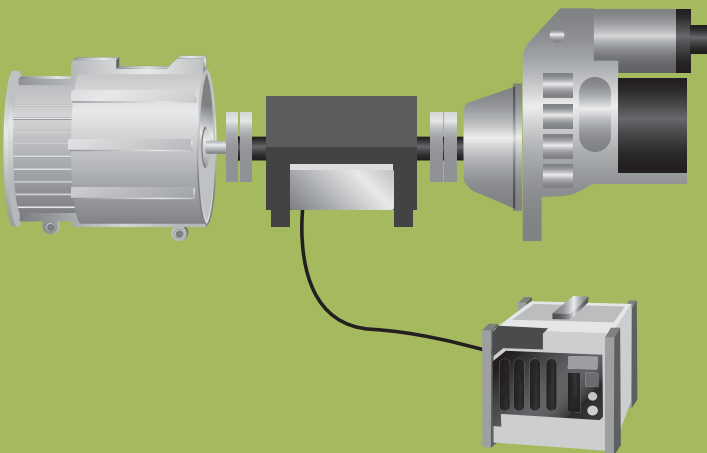
● Torque Transducers measurement example



● Torque measurement and control of a stir machine when food is stirred



● Torque measurement of wind power generator and dynamo



● Torque evaluation of motors

Torque Transducers

NEW

TPS-A

- Non-contact design facilitates maintenance.



Rated capacity	TPS-A-10NM: $\pm 10 \text{ N} \cdot \text{m}$
	TPS-A-50NM: $\pm 50 \text{ N} \cdot \text{m}$
Nonlinearity	Within $\pm 0.3\%$ RO
Hysteresis	Within $\pm 0.3\%$ RO
Rated output	$\pm 5 \pm 0.2 \text{ V}$ (load resistance 5 k Ω or more)
Safe overload rating	TPS-A-10NM:150%, TPS-A-50NM:120%
MAX. speed	5000 rpm

Torque Transducers

TP-AB/CB

- Bending or thrust of the shaft causes minimal adverse effect, thereby enabling highly accurate measurement.



Rated capacity	100 N·m to 5 kN·m
Nonlinearity	Within $\pm 0.2\%$ RO
Hysteresis	Within $\pm 0.2\%$ RO
Rated output	1.5 mV/V $\pm 0.2\%$ ($\pm 0.5\%$ with 5 kN·m)
Safe overload rating	120%
MAX. speed	2500 to 9000 rpm

★ TP-AB with no installation feet and TP-CB with installation feet

Small-Sized Torque Transducers

TP-D/E

- For small torque measurement

Rated capacity	0.2 to 2 N·m
Nonlinearity	Within $\pm 1\%$ RO
Hysteresis	Within $\pm 1\%$ RO
Rated output	0.75 to 1.5 mV/V
Safe overload rating	120%
MAX. speed	4000 rpm

★ TP-D with no installation feet and TP-E with installation feet

High-Speed Torque Transducers

TP-M

- For small torque measurement
- Equipped with overload prevention stopper

Rated capacity	0.2 to 5 N·m
Nonlinearity	Within $\pm 0.2\%$ RO
Hysteresis	Within $\pm 0.2\%$ RO
Rated output	0.75 to 1.5 mV/V
Safe overload rating	150% (stopper operates at 150%.)
Operating speed	3000 to 15000 rpm

Rotary Transformer Torque Transducers

TPN-AB/CB

- Non-contact design facilitates maintenance.

Rated capacity	100 to 500 N·m
Nonlinearity	Within $\pm 0.2\%$ RO
Hysteresis	Within $\pm 0.2\%$ RO
Rated output	1.2 mV/V or more
Safe overload rating	150%
MAX. speed	5000 to 12000 rpm

★ Mating amplifier : DPM dynamic strain amplifier (carrier: 5 kHz)

★ TPN-AB with no installation feet and TPN-CB with installation feet