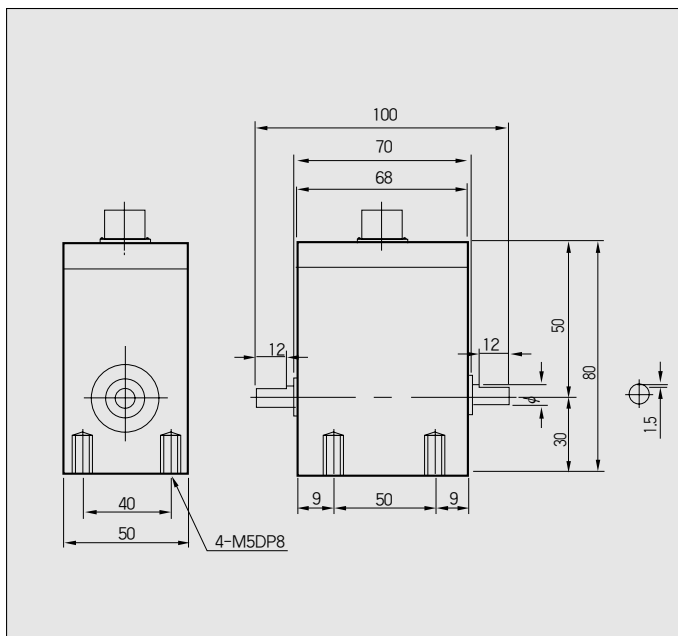
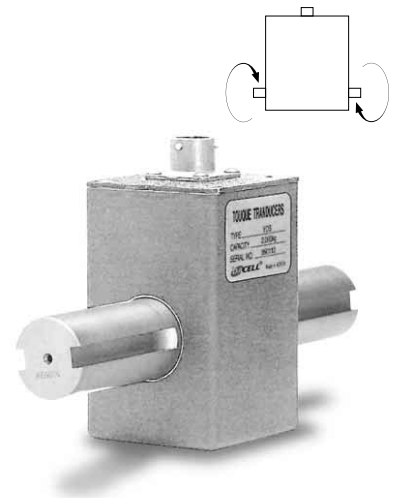


# MINIATURE SHAFT TYPE TORQUE SENSORS

## Model TRN

Model TRN torque sensor designed for low load application measures torque of a continuous rotating device. It features a high accuracy and high stability in measurement. It is typically used in an industrial measurement equipment and a performance tester for automotive components like a motor of a pump.



### Specifications

| Specifications                 | Accuracy                          |
|--------------------------------|-----------------------------------|
| Rated capacity(R.C)            | 2,5,10,20,30,50,100,200,300kgf-cm |
| Rated output(R.O)              | 1mv/v±1%                          |
| Nonlinearity                   | 0.5%R.O.                          |
| Hysteresis                     | 0.5%R.O.                          |
| Repeatability                  | 0.5%R.O.                          |
| Excitation recommended         | 10V                               |
| Terminal resistance            | 350 Ω ±1%                         |
| Insulation resistance bridge   | 200MΩ                             |
| Temperature range, compensated | 0.5% R.O/10°C                     |
| Temperature range, safe        | 0.4% Load/10°C                    |
| Safe overload                  | 150% R.C                          |
| Maximum r.p.m                  | 3000 r.p.m                        |
| Cable length                   | φ 5.4core cable 3m                |

### Dimensions Table

Unit: mm

| Model    | TRN-2KC~20KC       | TRN-30KC~50KC | TRN-100KC~200KC | TRN-300KC |
|----------|--------------------|---------------|-----------------|-----------|
| CAPACITY | 2, 5, 10, 20kgf-cm | 30,50kgf-cm   | 100,200kgf-cm   | 300kgf-cm |
| φ        | φ 8h6              | φ 12h6        | φ 18h6          | φ 25h6    |