

## NJL-305 Dynamic torque sensor

### Technical characteristics

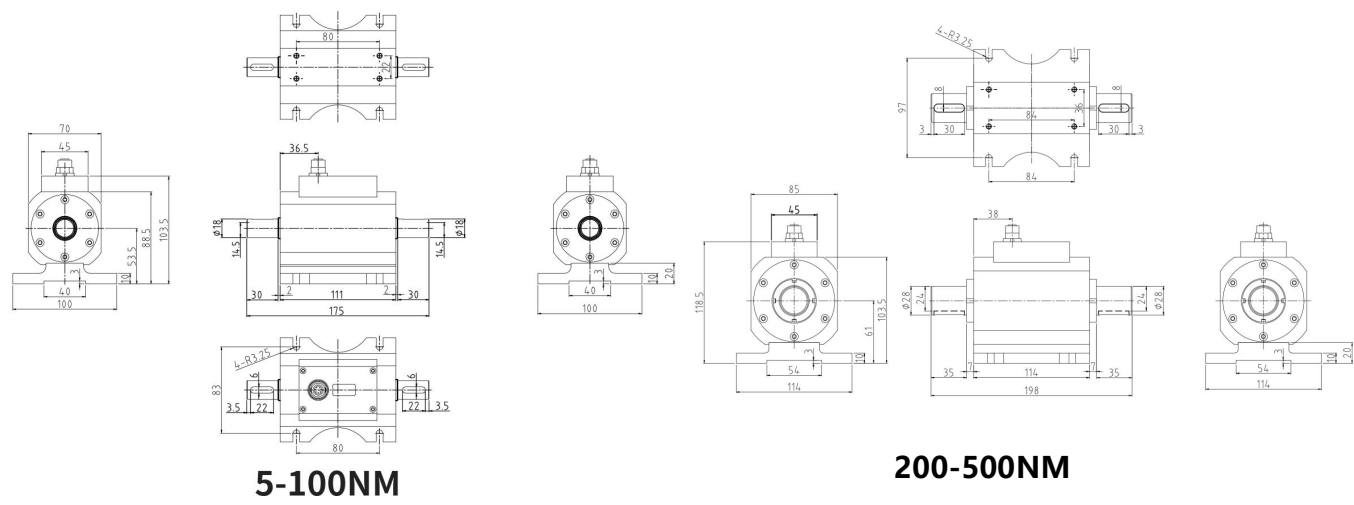


- ✓ High precision, fast frequency response and long life
- ✓ Non-contact type, suitable for long-term high-speed rotation working conditions
- ✓ Both ends are keyed for easy installation and use

### Technical Parameters

|                        |                                                                               |
|------------------------|-------------------------------------------------------------------------------|
| Measuring range        | 0~5/10/20/30/50/100/200/500Nm                                                 |
| Torque accuracy        | ±0.5%F•S、 ±0.25%F•S、 ±0.1%F•                                                  |
| frequency response     | 5 mS (default) 2ms (middle), 1ms (high), instructions at ordering)            |
| nolinear               | ±0.1%FS                                                                       |
| repetitiveness         | ±0.1%FS                                                                       |
| return difference      | ±0.1%FS                                                                       |
| Drift at zero          | ±0.2%FS                                                                       |
| Zero temperature drift | ±0.2%FS                                                                       |
| use temperature        | -20 ~ 50°C                                                                    |
| storage temperature    | -40 ~ 70°C                                                                    |
| Supply voltage         | 9-32VDC                                                                       |
| Torque signal output   | 5KHz-15KHz,0-20mA、 4-20mA、 0-5V、 0-10V、 1-5V、 0±5V、 0-±10V、 RS485、 RS232、 CAN |
| Speed signal           | 60 impulse ,4-20mA, 0-5/10V                                                   |
| range of speeds        | 0-100, 1000, 2000, 4000, 6000, 8000, 10000, 12000RPM                          |
| Material               | Elastic shaft of 17-4 PH stainless steel                                      |
| Case material          | alufer                                                                        |

Dimensions



Selection guide

NJL-305- 5Nm -6-P2-V6-r6 - S - G1

Range: X  
Nm(0~X Nm)

Accuracy level:  
4(0.1%FS) 6(0.25%FS)  
8(0.5%FS)

Supply voltage: P2(24V)

Optional function: G1(With  
OLED Display)

Direction: S  
(unidirectional) D  
(Bidirectional)

Speed output: r6(6000r/  
min) r8(8000r/min)

Output signal: Conventional:  
V6(5~15kHz)  
Additional transmission module:  
A1(4~20mA) V1(0~5V)  
V2(0~10V)