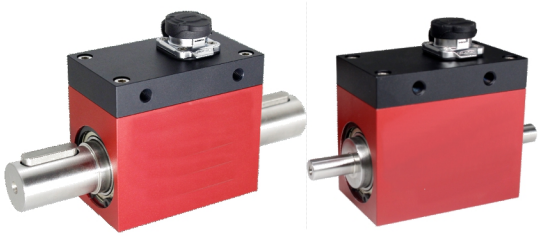
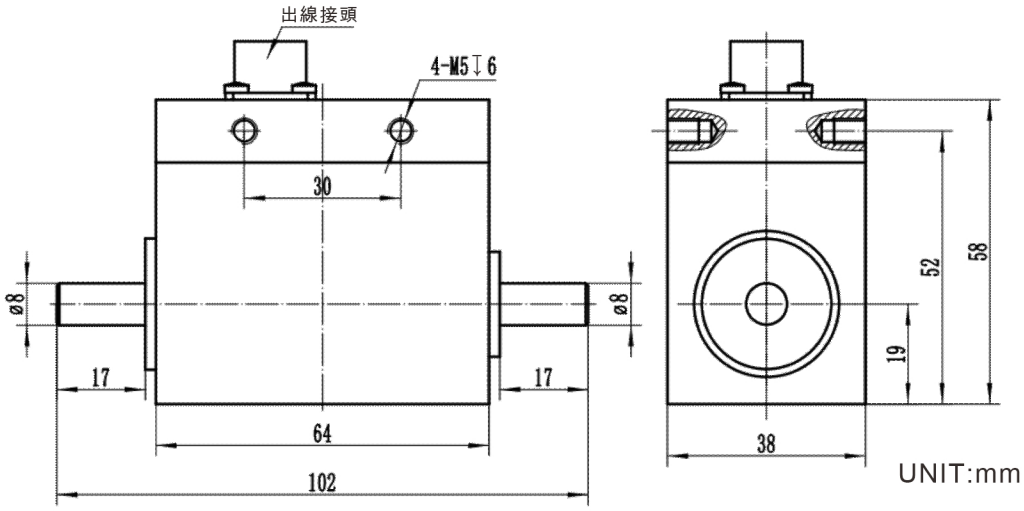
Model : ARI8-207



Features & Application

▲Resistance strain is an integrated product composed of sensitive elements and integrated circuits.
▲High precision, stable and reliable performance.
▲High speed and long time operation.
▲Output positive and reverse torque signal.
▲Both ends are key connected.
▲The maximum speed shall not exceed 4000rpm.

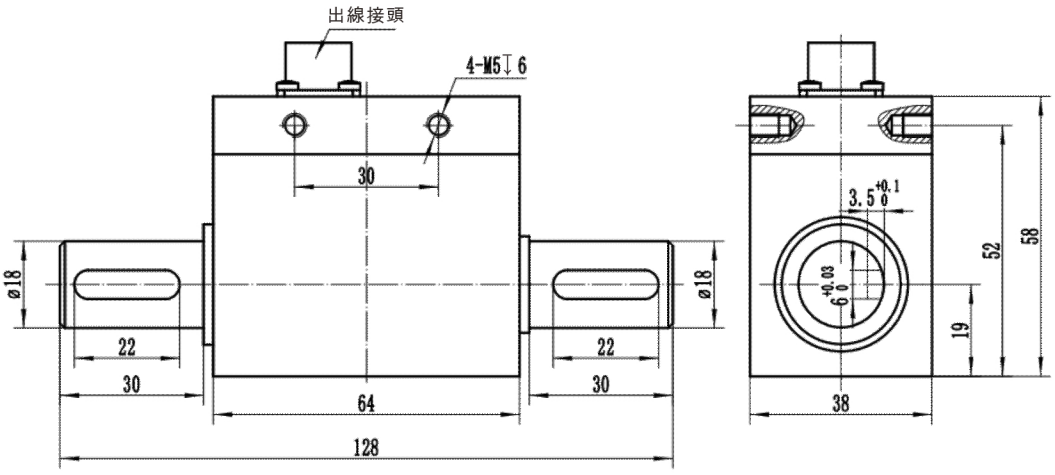
Mounting Dimension



UNIT:mm

MODEL:ARI8-207-8-□

CAP	0.05	0.1	0.2	0.3	0.5	1	2	3	5



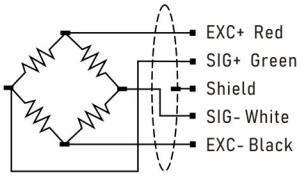
MODEL:ARI8-207-18-□

UNIT:mm

CAP	10	20	30	50	100	200

Load Direction

Wiring



Technical Parameters

Specifications	Technique
Capacity	0.05、0.1、0.2、0.3、0.5、1、2、3、5 / 10、20、30、50、100、200 N.m
Speed Signal	≤4000rpm
Speed Capacity	1.0~1.5mV/V
Zero Balance	±2%F.S.
Non-linearity	0.5% F.S.
Hysteresis	0.5% F.S.
Non-repeatability	0.2% F.S.
Creep (30min)	0.03% F.S.
Temp Effect On Output	0.03% F.S. / 10℃
Temp Effect On Zero	0.1% F.S. / 10℃
Response Time	1.0ms(50% Reaction)
Response Frequency	1kHz
Maximum torsion angle	2.60X10rad(0.149°)
Moment ofinertia	0.38kgcm
Natural frequency of rotor vibration	19.4kHz
Torsion constant	3.85x10Nm/rad
Load Resistance	>2000MΩ
Working voltage	DC 24V 0.2A
Current Consumption	<150mA
Operating Temp.	-10~50℃ 0~85%RH
Safe Overload	200%
Cable	Ø5 X 3m