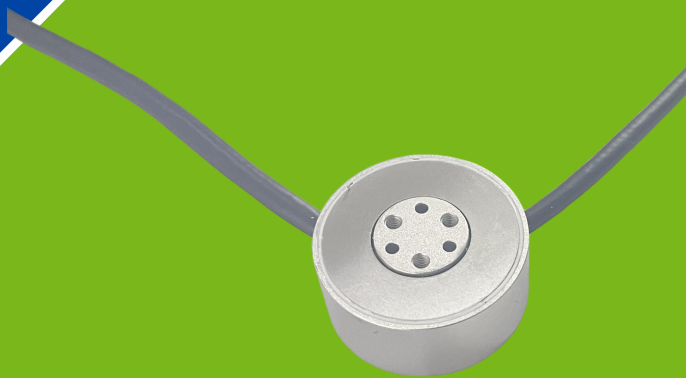


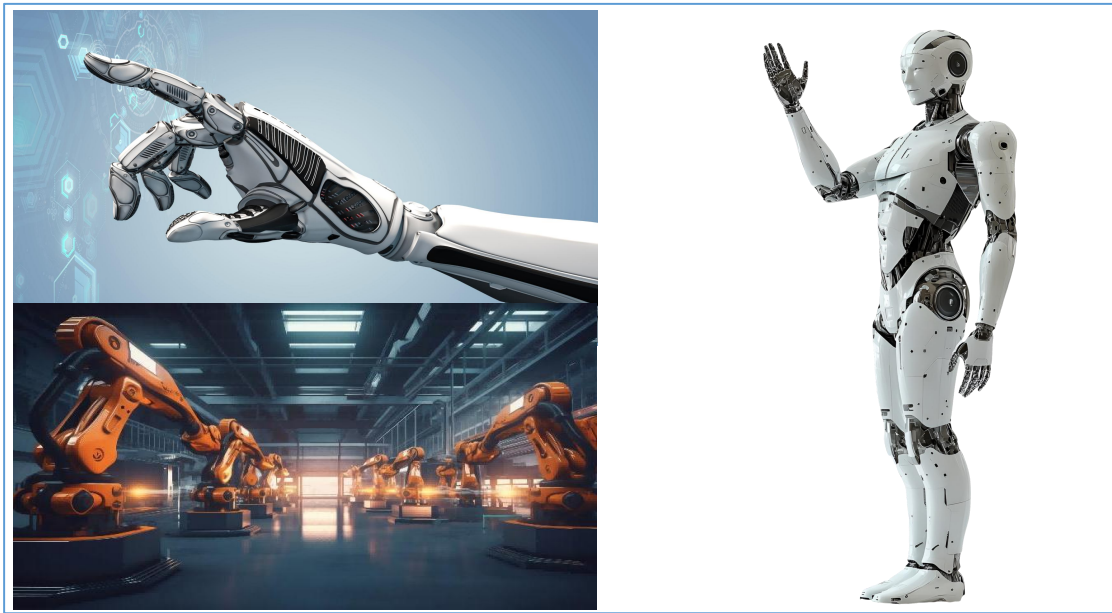


BW-C50-B Series

**Six-axis force sensor (for force
detection of humanoid robot wrist)**

Technical Manual

V3.0



Feature

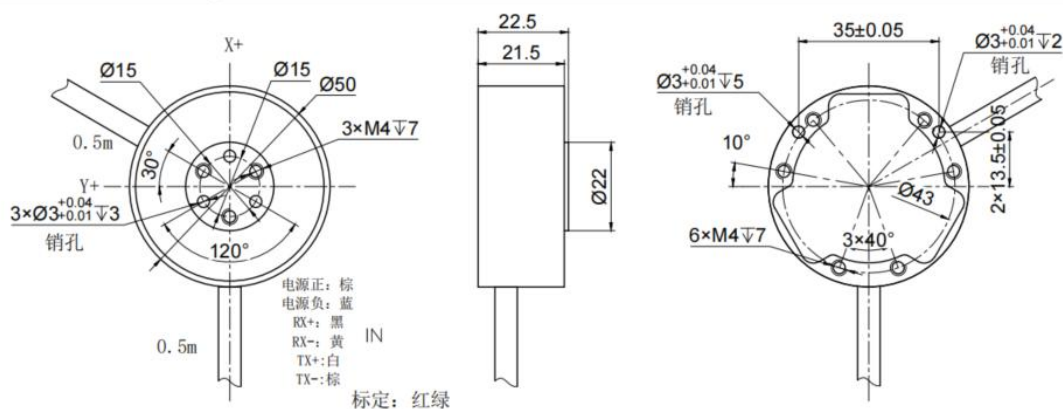
- Adopting the high-precision resistance strain gauge principle
- Built-in EtherCAT communication module
- High precision and strong anti-eccentric load capacity
- Accept custom specifications

Technical

Range	Fx, Fy	N	500
	Fz	N	500
	Mxyz	N.m	12
Display Accuracy	Fx, Fy	N	0.5
	Fz	N	0.5
	Mxyz	N.m	0.05
Sampling frequency		Hz	1000
Nonlinear		%F.S	±0.5
Inter axis coupling		%F.S	±2
Repeatability		%F.S	±0.1
Temperature Effect On Zero		%F.S/10℃	±0.1
Temperature Effect On Output		%F.S/10℃	±0.1
Operating temperature range		℃	-10°+40
Safe Overload		%F.S	150
Excitation		V DC	9~24
Sealing grade			Ip64
Material			aluminum alloy
FLEXIBLE CABLE		1 inlet and 1 outlet, each 0.5 meters	



Product package size



BW-C50-B Series

**Six-axis force sensor (for force detection
of humanoid robot wrist)**

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