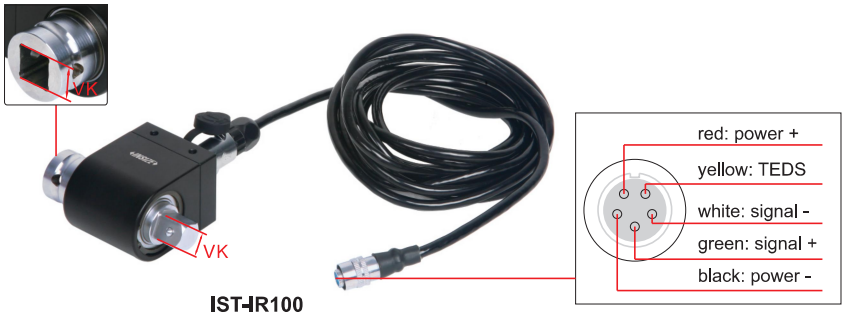
DYNAMIC TORQUE SENSORS (COMPACT TYPE)

VIDEO

INSPECTION CERTIFICATE

ANGLE ENCODER CAN BE CUSTOMIZED

ATTENTION: NOT SUITABLE FOR HIGH SPEED SHOCK TORQUE MEASUREMENT



IST-HR100

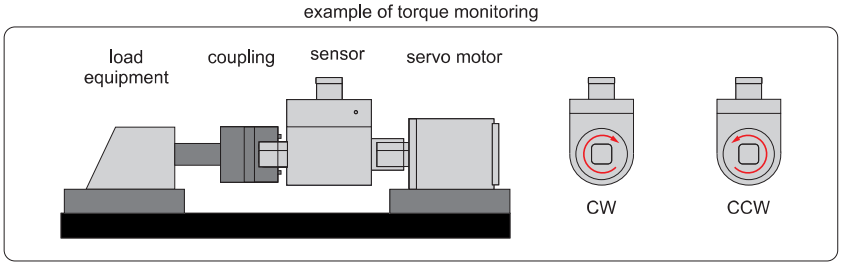
example of torque test

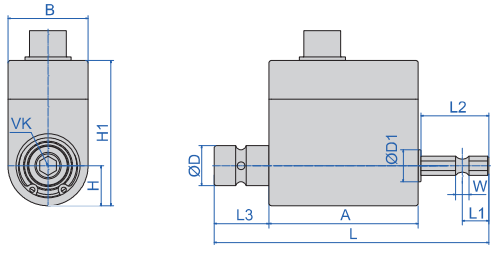


- Applications for testing electric, pneumatic and manual torque screwdrivers and torque wrenches and other torque tools and torque monitoring
- Clockwise and counter-clockwise operation
- High overall accuracy, good long-term stability

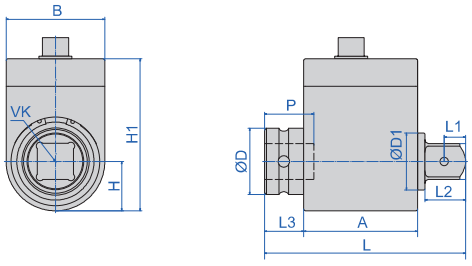
SPECIFICATION

RPM range	≤3000rpm
Torque signal	0.8~1.5mV/V
Zero output	±2%FS
Accuracy	±0.2%FS
Response time	1.0ms (50% response)
Response frequency	1kHz
Max. torsion angle	2.6×10rad (0.149°)
Inertial torque	0.38kg.cm
Intrinsic frequency of rotor vibration	19.4kHz
Torque constant	3.85×10N.m/rad
Material	alloy steel
Annual stability	0.3%/year
load resistance	>2kΩ
Power supply	DC5~15V
Working environment	-10~50°C ≤85%RH
Safety overload	150%
Extreme overload	200%
Cable specification	Ø5mm×3m
Extreme cable pulling force	10kg





dimension drawing
type A (hexagonal)



dimension drawing
type B (square)

(mm)

Code	Type	Maximum range	VK	A	B	L	L1	L2	L3	H	H1	ØD	ØD1	W	P
IST-R05S	type A (hexagonal)	0.5N.m	1/4"	56	30	103	10	25.5	20.5	15	54.5	15	12	5	/
IST-R1S		1N.m													
IST-R2S		2N.m													
IST-R5S		5N.m													
IST-R10S		10N.m													
IST-R20S		20N.m													
IST-R05	type B (square)	0.5N.m	1/4"	56	30	71.5	3.3	7.3	5.2	15	54.5	15	10	/	10.5
IST-R1		1N.m													
IST-R2		2N.m													
IST-R5		5N.m													
IST-R10		10N.m													
IST-R20		20N.m													
IST-R30		30N.m	3/8"	56	30	77	5	10.5	8.1	15	58.6	17	17	/	13
IST-R50		50N.m													
IST-R100		100N.m	1/2"	58	42	87	6.7	14.7	12	21	69.5	24.9	20	/	17
IST-R200		200N.m		60	52	106	11.2	21.4	20.7	26	80.1	34.9	30	/	26
IST-R300		300N.m	3/4"												
IST-R500		500N.m		64.5	63	125	11	26	28.7	32	91.6	44.9	40	/	31
IST-R1000		1000N.m	1"												
IST-R2000		2000N.m		86.5	102	181	23.2	39.3	50.7	51	136	74.5	65	/	42
IST-R3000		3000N.m	1 1/2"												
IST-R5000		5000N.m													

OPTIONAL ACCESSORY

Handheld force/torque indicator	ISF-DG4