



STIFFNESS:
 FX: 8.0E+07 N/m
 FY: 6.0E+07 N/m
 FZ: 1.6E+08 N/m
 MX: 3.6E+04 Nm/rad
 MY: 2.3E+04 Nm/rad
 MZ: 3.3E+04 Nm/rad

WIRING CODE		
NO.	FUNCTION	COLOR
1.	+24	ORANGE
2.	GND	BLACK
3.	CAN_H	YELLOW
4.	CAN_L	GREEN
5.	RS232_TX	BROWN
6.	RS232_RX	GRAY

MACHINE TOOL TOREX SCREW ILLUSTRATION ONLY

TO OBTAIN ACCURATE OUTPUT, BOTH SIDES OF THE SENSOR MUST BE MOUNTED WITH A METAL PLATE WITH MIN. 8MM THICK

IP PROTECTION: IP60

SUFFICIENT DYNAMIC RANGE FOR ZERO OFFSET UP TO 120% F.S.

PATENT NO.: 202322769210.4

SPECIFICATIONS	
POWER SUPPLY (V)	19 TO 60
OVERALL ACCURACY (%F.S.)	1.5
OPERATING TEMP. RANGE (°C)	-20 TO +80
DIGITAL OUTPUT	CAN OR RS232
SAMPLING RATE (Hz)	2000
FREE AIR RESONANT FREQ. (Hz)	1060
MASS (NOT INCLUDING CABLE)	115±10g

	Fx	Fy	Fz	Mx	My	Mz
CAPACITY	300N	300N	600N	20Nm	20Nm	20Nm
OVERLOAD CAPACITY	1500N	1500N	1800N	100Nm	100Nm	100Nm
PEAK-TO-PEAK NOISE = 6.6 X RMS NOISE (EFFECTIVE RESOLUTION) NOISE IS MEASURED AT SAMPLING RATE 2000HZ						
PEAK-TO-PEAK NOISE	0.8N	0.7N	0.8N	0.015Nm	0.015Nm	0.016Nm
EFFECTIVE RESOLUTION	0.12N	0.11N	0.12N	0.002Nm	0.002Nm	0.002Nm

SUNRISE INSTRUMENTS
www.srisensor.com

SIX AXIS CIRCULAR LOAD CELL
 D60MM, F300N, CAN OR RS232

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MM	M4313SIJ6K	REV. A
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