



POSITIVE OUTPUT WHEN THE LOAD IS APPLIED TO THE TOOL SIDE  
PER COORDINATE SYSTEM AS SHOWN

THE OUTPUTS ARE NOT STRUCTURALLY DECOUPLED  
A 6X6 DECOUPLED MATRIX IS PROVIDED TO OBTAIN EACH COMPONENT

	Fx	Fy	Fz	Mx	My	Mz
<b>CAPACITY (N/Nm)</b>	50	50	100	1.75	1.75	1.75
<b>OUTPUT</b>	Ethernet UDP or RS232					
<b>BRIDGE RES. (<math>\Omega</math>)</b>	350	350	350	350	350	350

WIRING CODE					
NO.	COLOR	FUNCTION	NO.	COLOR	FUNCTION
1	BLUE	+24V	5	WHITE/GREEN	RDP
2	WHITE/BLUE	GND	6	GREEN	RDN
3	WHITE/ORANGE	TDP	7	WHITE/BROWN	RX
4	ORANGE	TDN	8	BROWN	TX

SPECIFICATIONS	
EXCITATION MAX. (V)	+24V
OVERLOAD CAPACITY (%F.S.)	300
FREE AIR RESONANT FREQ. (HZ.)	1500
CROSSTALK (%F.S.)	2.0
NON-LINEARITY (%F.S.)	0.5
HYSTERESIS (%F.S.)	0.5
OPERATING TEMP. RANGE ( $^{\circ}$ C)	-40 TO +100
COMPENSATED TEMP. RANGE ( $^{\circ}$ C)	10 TO 70
MASS (KG)	0.042

**SUNRISE INSTRUMENTS**  
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SIX AXIS CIRCULAR LOAD CELL, COUPLED  
D45MM F50N

UNLESS OTHERWISE SPECIFIED  
DIMENSIONS ARE IN MM

M3703A2

REV.  
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