



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

M3715CT1 HAS INTERNAL AMPLIFIER AND DATA ACQUISITION SYSTEM.  
THE SENSOR DIRECTLY COMMUNICATES WITH CONTROLLER  
VIA ETHERNET AND RS232

SPECIFICATIONS	
EXCITATION MAX. (V)	+24V
OVERLOAD CAPACITY (%F.S.)	300
FREE AIR RESONANT FREQ. (HZ.)	4500
CROSSTALK (%F.S.)	2.5
NON-LINEARITY (%F.S.)	0.5
HYSTERESIS (%F.S.)	0.5
OPERATING TEMP. RANGE (°C)	-40 TO +100
COMPENSATED TEMP. RANGE (°C)	10 TO 70
MASS (KG)	1.0

	Fx	Fy	Fz	Mx	My	Mz
CAPACITY (N/Nm)	1600	1600	3200	112	112	112
BRIDGE RES. (Ω)	350	350	350	350	350	350

CONNECTOR PIN ASSIGNMENT			
PIN #	FUNCTION	PIN #	FUNCTION
1	+VIN	5	RDP
2	GND	6	RDN
3	TDP	7	RX
4	TDN	8	TX

**SUNRISE INSTRUMENTS**  
[www.srisensor.com](http://www.srisensor.com)

SIX AXIS CIRCULAR LOAD CELL, COUPLED  
D90MM F1600N, DIGITAL OUTPUT

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MM	M3715CT1	REV. B
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