



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

M3715BT1 HAS INTERNAL AMPLIFIER AND DATA ACQUISITION SYSTEM.  
THE SENSOR DIRECTLY COMMUNICATES WITH CONTROLLER  
VIA ETHERNET AND RS232

	Fx	Fy	Fz	Mx	My	Mz
<b>CAPACITY (N/Nm)</b>	800	800	1600	56	56	56
<b>BRIDGE RES. (Ω)</b>	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

**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

**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

M3715BT1

REV.  
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