



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

M3716ATI 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.)	2500
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)	400	400	800	40	40	40
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

SIX AXIS CIRCULAR LOAD CELL, COUPLED
D135MM F400N, DIGITAL OUTPUT

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MM	M3716ATI	REV. B
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