



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
CAPACITY (N/Nm)	1600	1600	3200	88	88	88
OUTPUT (mV/V)	COUPLED					
BRIDGE RES. (Ω)	350	350	350	350	350	350

WIRING CODE			
FUNCTION	COLOR	FUNCTION	COLOR
+VIN(+7.0V)	RED	CANL	WHITE
GND	BLACK	TX-RS232	ORANGE
CANH	GREEN	RX-RS232	YELLOW

SPECIFICATIONS

EXCITATION MAX. (V)	7.5±0.5V
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)	0.31

SUNRISE INSTRUMENTS

www.srisensor.com

SIX AXIS CIRCULAR LOAD CELL, COUPLED
D70MM F1600N, W/DAS & CAN BUS

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN MM

M4714C2

REV.
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