



IP68

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	112	112	112
OUTPUT (mV/V)	COUPLED					
BRIDGE RES. (Ω)	350	350	350	350	350	350

SPECIFICATIONS	
EXCITATION MAX. (V)	20
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)	0.445

WIRING CODE - TWISTED PAIR

FUNC	CHN1	CHN2	CHN3	CHN4	CHN5	CHN6	CHN7	CHN8	CHN9
+SIG	WT(BN)	OG(BN)	BL(BN)	YL(BN)	RD(BN)	WT(BK)	OG(BK)	BL(BK)	YL(BK)
-SIG	BN(WT)	BN(OG)	BN(BL)	BN(YL)	BN(RD)	BK(WT)	BK(OG)	BK(BL)	BK(YL)
+EXC	RD(BK)								
-EXC	BK(RD)								

WT=WHITE, BN=BROWN, OG=ORANGE, BL=BLUE, YL=YELLOW, RD=RED, BK=BLACK, "WT(BN)" = WHITE CABLE IN WHITE/BROWN PAIR

SUNRISE INSTRUMENTS

www.srisensor.com

SIX AXIS CIRCULAR LOAD CELL, COUPLED
D90MM F1600N

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MM	M4715CP	REV. A
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