



POSITIVE OUTPUT WHEN THE LOAD IS APPLIED TO THE TOOL SIDE PER COORDINATE SYSTEM AS SHOWN

	Fx	Fy	Fz	Mx	My	Mz
CAPACITY (N/Nm)	100	100	100	150	150	150
BRIDGE RES. (Ω)	700	700	700	700	700	700

WIRING CODE - TWISTED PAIR

FUNC	CHN1	CHN2	CHN3	CHN4	CHN5	CHN6
+SIG	WHITE (BROWN)	ORG (BROWN)	BLUE (BROWN)	YEL (BROWN)	RED (BROWN)	WHITE (BLACK)
-SIG	BROWN (WHITE)	BROWN (ORG)	BROWN (BLUE)	BROWN (YEL)	BROWN (RED)	BLACK (WHITE)
+EXC	ORG (BLACK)	BLACK (ORG)	BLUE (BLACK)	BLACK (BLUE)	RED (BLACK)	BLACK (RED)
-EXC	YELLOW (BLACK)			BLACK (YELLOW)		
"YEL"="YELLOW", "ORG"="ORANGE", "WHITE (BROWN)" = WHITE CABLE IN WHITE/BROWN PAIR						

SPECIFICATIONS

POWER SUPPLY (V)	5V
OVERLOAD CAPACITY (%F.S.)	300
FREE AIR RESONANT FREQ. (HZ.)	3500
CROSSTALK (%F.S.)	2.5
NON-LINEARITY (%F.S.)	1.0
HYSTERESIS (%F.S.)	1.0
OPERATING TEMP. RANGE (°C)	-40 TO +90
COMPENSATED TEMP. RANGE (°C)	10 TO 70
MASS (KG)	1.92

SUNRISE INSTRUMENTS

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SIX AXIS ROBOT BASE LOAD CELL
D190MM F100N

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN MM

M4344T7

REV.
B