



LEMO CONNECTOR AT FORCE PLATE
 Ø4.7MM CALBE WITH MATING LEMO, 9.5M (30FT)
 ONE CABLE BRANCHED INTO 13 TERMINUS
 12 TERNINUS FOR 12 OUTPUT SIGNALS, 0.3M LONG
 BNC CONNECTORS ARE NOT INCLUDED

THE REMAINING TERMINAL FOR POWER SUPPLY, 2M
 CONNECTOR TO DC POWER SUPPLY INCLUDED

AC TO DC POWER SUPPLY INCLUDED (NOT SHOWN)

THERE ARE 12 OUTPUT CHANNELS. WHEN THE OUTPUT VOLTAGES (12X1 COLUMN) ARE
 PRE-MULTIPLIED BY A 6X12 DECOUPLED MATRIX, THE PRODUCT (6X1 COLUMN) WILL BE THE
 FORCES (FX, FY, FZ) AND MOMENTS (MX, MY, MZ). THE DECOUPLED MATRIX WILL BE
 PROVIDED IN THE CALIBRATION REPORT.

WHEN SRI'S INTERFACE BOX M8128 IS USED, THE RESOLUTION IS:
 FX & FY: 0.5N, FZ: 1N, MX & MY & MZ: 0.2 NM

	Fx	Fy	Fz	Mx	My	Mz
CAPACITY (N/Nm)	2500	2500	5000	1000	1000	1000
OUTPUT (V)	TOTAL 12 CHANNELS, OUTPUT VOLTAGE RANGE 2.5V±2V					
BRIDGE RES. (Ω)	350	350	350	350	350	350

SPECIFICATIONS	
EXCITATION MAX. (V)	8
OVERLOAD CAPACITY (%F.S.)	200
FREE AIR RESONANT FREQ. (HZ.)	800
CROSSTALK (%F.S.)	2.0
NON-LINEARITY (%F.S.)	0.5
HYSTERESIS (%F.S.)	0.5
OPERATING TEMP. RANGE (°C)	-20 TO +85
COMPENSATED TEMP. RANGE (°C)	10 TO 70
MASS (KG)	36

WIRING CODE ("WHITE(BROWN)" = WHITE CABLE IN WHITE/BROWN PAIR)

CHN #	COLOR	CHN #	COLOR	CHN #	FUNCTION
CHN1	WHITE(BROWN)	CHN5	BLUE(BROWN)	CHN9	RED(BROWN)
CHN2	BROWN(WHITE)	CHN6	BROWN(BLUE)	CHN10	BROWN(RED)
CHN3	ORANGE(BROWN)	CHN7	YELLOW(BROWN)	CHN11	WHITE(BLACK)
CHN4	BROWN(ORANGE)	CHN8	BROWN(YELLOW)	CHN12	BLACK(WHITE)

PWR 7.5V: ORG(BLACK)+BLACK(ORG)+BLUE(BLACK)+BLACK(BLUE) SHIELD TO SENSOR
 REF TO GND: YELLOW(BLACK) GND: RED(BLACK)+BLACK(RED)+BLACK(YELLOW)

SUNRISE INSTRUMENTS
www.srisensor.com

SIX AXIS FORCE PLATE LOAD CELL
 COUPLED VERSION, 400 X 600 MM

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MM	M3612BT	REV. A
--	---------	-----------