



POSITIVE OUTPUT WHEN THE LOADING IS APPLIED TO THE TOOL SIDE OF THE LAODCELL, PER COORDINATE SYSTEM AS SHOWN

	Fx	Fy	Fz	Mx	My	Mz
<b>CAPACITY</b>	580N	580N	1160N	20Nm	20Nm	20Nm
<b>SINGLE-AXIS OVERLOAD</b>	5100N	5100N	10000N	110Nm	110Nm	140Nm
<b>OUTPUT (mV/V)</b>	COUPLED OUTPUT					
<b>BRIDGE RES. (<math>\Omega</math>)</b>	1400	1400	1400	1400	1400	1400

**WIRING CODE (14-CONDUCTOR CABLE)**

NO.	COLOR	FUNCTION	NO.	COLOR	FUNCTION	NO.	COLOR	FUNCTION
1	WHITE	CH1+	6	LIGHT YELLOW	CH3-	11	PURPLE	CH6+
2	BROWN	CH1-	7	GREEN	CH4+	12	LIGHT PURPLE	CH6-
3	ORANGE	CH2+	8	GRAY	CH4-	13	RED	+E
4	LIGHT ORANGE	CH2-	9	BULE	CH5+	14	BLACK	-E
5	YELLOW	CH3+	10	LIGHT BLUE	CH5-			

SHIELD TO SENSOR BODY

**SPECIFICATIONS**

EXCITATION MAX. (V)	10
CROSSTALK (%F.S.)	2.5
NON-LINEARITY (%F.S.)	0.5
HYSTERESIS (%F.S.)	0.5
OPERATING TEMP. RANGE (°C)	-40 TO +90
COMPENSATED TEMP. RANGE (°C)	10 TO 70
IP PROTECTION	IP60
MASS (KG)	0.13

**SUNRISE INSTRUMENTS**

[www.srisensor.com](http://www.srisensor.com)

SIX AXIS CIRCULAR LOAD CELL  
D45MM

UNLESS OTHERWISE SPECIFIED  
DIMENSIONS ARE IN MM

M4312WDFCA

REV.  
0.3