



M4113 Wheel Loadcell measures all wheel forces and moments. The six components of the total wheel load are structurally decoupled to provide independent outputs, so that post-data correction becomes unnecessary.

The loadcell is completely sealed to provide excellent environment protection, and could be used for on-road measurement on a rainy day.

The optional amplifier 41130-EB-00 mounts directly to the loadcell. The amplifier provides high level voltage signal to increase signal-to-noise ratio. The slip ring 41150-RING-00 transmits the signal from the wheel loadcell to a data acquisition system via a small ($\Phi 4.3\text{mm}$) flexible cable.

The optional modified wheel and hub adaptor are designed so that the complete wheel loadcell assembly replicates the geometry of the original wheel.

SPECIFICATIONS

NATURAL FREQUENCY (SENSOR ONLY)(HZ)	575
OVERLOAD CAPACITY (%F.S.)	150
NON-LINEARITY (%F.S.)	1.5
HYSTERESIS (%F.S.)	1.5
CROSSTALK BEFORE ADJUSTMENT (%F.S.)	6%
CROSSTALK AFTER ADJUSTMENT (%F.S.)	2%
OPERATING TEMP. RANGE ($^{\circ}\text{C}$)	-40 TO 125
MASS (SENSOR ONLY) (KG)	5.0

SUNRISE INSTRUMENTS

www.srisensor.com

SIX AXIS WHEEL LOADCELL
13" TO 17"

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN MM

M4113

REV.
A

	Fx	Fy	Fz	Mx	My	Mz
CAPACITY (KN/KNm)	53.4	26.7	53.4	6.0	6.0	6.0