

Sensor Model:
Mechanical Load Rating:

67M25A3
25L65

I. Overload Capabilities:

All overload values are for no damage, no re-calibration required.

- Single Axis Loading:

Axis	Full Scale Load	Maximum Safe Load
F_x	25 lb	100 lb
F_y	25 lb	100 lb
F_z	50 lb	430 lb
M_x	65 in-lb	250 in-lb
M_y	65 in-lb	250 in-lb
M_z	65 in-lb	200 in-lb

- Combined Loading:

All 3 equations must be satisfied at all times.

$$\begin{array}{rcccccc} F_x/100 & +F_y/100 & +F_z/430 & +M_x/350 & +M_y/350 & +M_z/200 & \leq 1 \\ F_x/130 & +F_y/110 & +F_z/430 & +M_x/950 & +M_y/250 & +M_z/200 & \leq 1 \\ F_x/110 & +F_y/130 & +F_z/430 & +M_x/250 & +M_y/950 & +M_z/200 & \leq 1 \end{array}$$

II. Approximate Stiffnesses:

Stiffnesses are estimated to be accurate within $\pm 20\%$.

Axis	Stiffness
F_x	29e3 lb/in
F_y	29e3 lb/in
F_z	290e3 lb/in
M_x	190e3 in-lb/rad
M_y	190e3 in-lb/rad
M_z	47e3 in-lb/rad