

Sensor Model: 100M40A
Body Load Rating: 100L400

I. Overload Capabilities:

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

- Single Axis Loading:

Axis	Maximum Load
F_x	450 lb
F_y	500 lb
F_z	1950 lb
M_x	1900 in-lb
M_y	1650 in-lb
M_z	1400 in-lb

- Combined Loading:

Both equations must be satisfied at all times.

$$(1) \quad F_x/450 \quad +F_y/500 \quad +F_z/1950 \quad +M_x/1900 \quad +M_y/3300 \quad +M_z/1400 \quad \leq 1$$

$$(2) \quad F_x/800 \quad +F_y/550 \quad +F_z/1950 \quad +M_y/1650 \quad +M_z/1400 \quad \leq 1$$

II. Approximate Stiffnesses (+/-20%):

Axis	Stiffness
F_x	115e3 lb/in
F_y	115e3 lb/in
F_z	1.08e6 lb/in
M_x	1.50e6 in-lb/rad
M_y	1.50e6 in-lb/rad
M_z	465e3 in-lb/rad