

Sensor Model:
Body Load Rating:

45E15A
50L225

I. *Overload Capabilities:*

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

- Single Axis Loading:

| Axis | Max. Load |
|-------|------------|
| F_x | 330 lb |
| F_y | 330 lb |
| F_z | 1200 lb |
| M_x | 1100 in-lb |
| M_y | 1100 in-lb |
| M_z | 950 in-lb |

- Combined Loading:

Both equations must be satisfied at all times.

$$F_x/330 + F_y/480 + F_z/1200 + M_x/1100 + M_z/950 \leq 1$$

$$F_x/480 + F_y/330 + F_z/1200 + M_y/1100 + M_z/950 \leq 1$$

II. *Approximate Stiffnesses:*

| Axis | Stiffness |
|-----------|-----------------|
| $F_{x,y}$ | 0.051e6 lb/in |
| F_z | 0.55e6 lb/in |
| $M_{x,y}$ | 0.94e6 inlb/rad |
| M_z | 0.27e6 inlb/rad |