

**Sensor Model:**  
**Body Load Rating:**

**30E12A**  
**50L150**

**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
$M_x$	740 in-lb
$M_y$	740 in-lb
$M_z$	620 in-lb

- Combined Loading:

Both equations must be satisfied at all times.

$$F_x/330 + F_y/480 + F_z/1200 + M_x/740 + M_z/620 \leq 1$$

$$F_x/480 + F_y/330 + F_z/1200 + M_y/740 + M_z/620 \leq 1$$

**II. *Approximate Stiffnesses:***

Axis	Stiffness
$F_{x,y}$	0.051e6 lb/in
$F_z$	0.55e6 lb/in
$M_{x,y}$	0.41e6 inlb/rad
$M_z$	0.12e6 inlb/rad