

Sensor Model: 30E12A
Body Load Rating: 25L75

I. Overload Capabilities:

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

- Single Axis Loading:

Axis	Max. Load (lbs, in-lbs)
F_x	215 lb
F_y	215 lb
F_z	700 lb
M_x	430 in-lb
M_y	430 in-lb
M_z	340 in-lb

- Combined Loading:
Both equations must be satisfied at all times.

$$F_x/215 \quad +F_y/270 \quad +F_z/700 \quad +M_x/430 \quad +M_z/340 \quad \leq 1$$

$$F_x/270 \quad +F_y/215 \quad +F_z/700 \quad +M_y/430 \quad +M_z/340 \quad \leq 1$$

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

Axis	Stiffness
$F_{x,y}$	0.030e6 lb/in
F_z	0.30e6 lb/in
$M_{x,y}$	0.22e6 in-lb/rad
M_z	0.059e6 in-lb/rad