

Sensor Model: 20E12A
Body Load Rating: 10L20

I. Overload Capabilities:

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

- **Single Axis Loading:**

Values are for each axis assuming all other loads are approximately zero.

Axis	Max. Load (lbs, in-lbs)
F_x	100 lb
F_y	100 lb
F_z	280 lb
M_x	100 in-lb
M_y	100 in-lb
M_z	75 in-lb

- **Combined Loading:**

Insert any combination of loads into equations below.

Both equations must be satisfied at all times to avoid damage.

$$F_x/100 + F_y/100 + F_z/280 + M_x/100 + M_z/75 \leq 1$$

$$F_x/100 + F_y/100 + F_z/280 + M_y/100 + M_z/75 \leq 1$$

II. Approximate Stiffnesses:

Axis	Stiffness
$F_{x,y}$	12.0e3 lb/in
F_z	120e3 lb/in
$M_{x,y}$	33.3e3 inlb/rad
M_z	7.1e3 inlb/rad