Sensor Model: 75E20A4
Body Load Rating: 500L3750

I. ***Overload Capabilities****:*

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

- Single Axis Loading:

Axis	Max. Safe Load (lb, in-lb)
F_x	2,900 lb
F_y	2,900 lb
F_z	9,200 lb
M_x	14,900 in-lb
M_y	14,900 in-lb
M_z	12,200 in-lb

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

Fx/3000 +Fy/2900 +Fz/9200 +Mx/14900 +Mz/12200 ≤1

Fx/2900 +Fy/3000 +Fz/9200 +My/14900 +Mz/12200 ≤1

II. Approximate Stiffnesses*:*

Axis	Stiffness
$F_{x,y}$	0.597e6 lb/in
F_z	4.48 e6 lb/in
$M_{x,y}$	23.5 e6 in-lb/rad
M_z	7.87e6 in-lb/rad

III. Notes:

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- When subjected to the above static loads, this sensor will not be damaged. However due to possible limitations on the ability of the mounting bolts to maintain frictional lock-up between the sensor and the surfaces to which it is mounted, sensor readings may exhibit a temporary shift in zero point and/or an increase in hysteresis.
- In determining safe dynamic or shock loads the total energy imparted into the sensor must be considered. Traveling stress waves may potentially combine to produce a maximum stress above the static maximum.