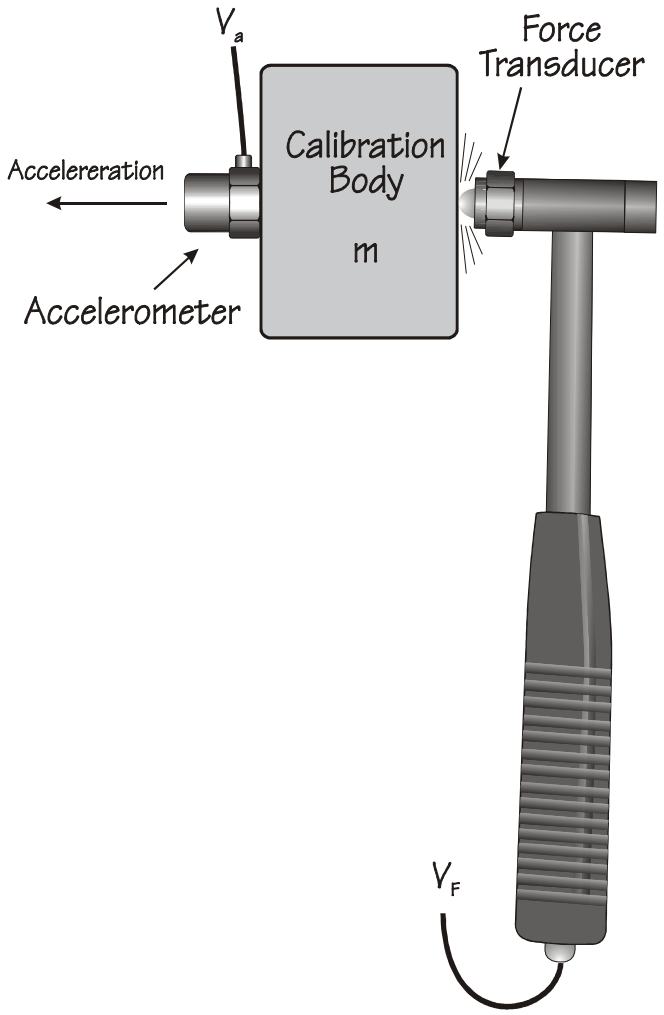
Calibration: Impact Hammer

Relative Method (Dynamic)



$$F = m \cdot a$$

$$\frac{V_F(f)}{S_F} = m \cdot \frac{V_a(f)}{S_a}$$

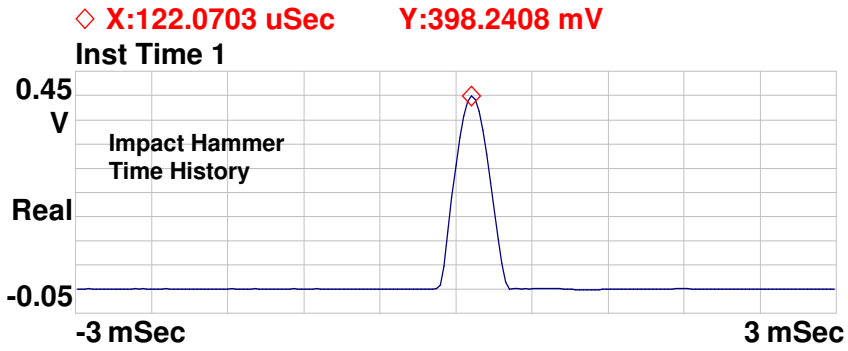
$$S_F = \frac{S_a}{m} \cdot \frac{V_F(f)}{V_a(f)}$$

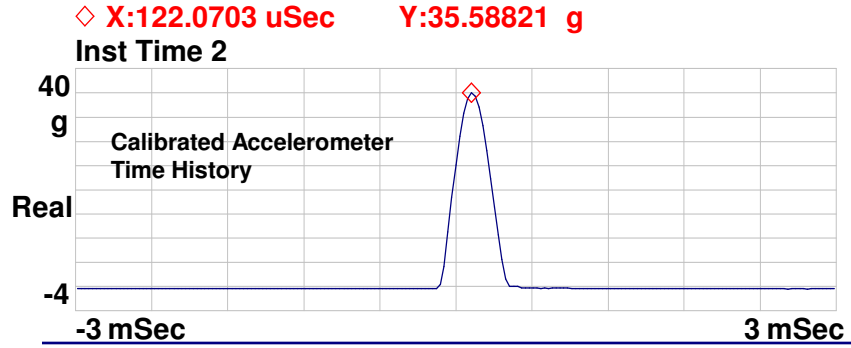
Calibration: Impact Hammer

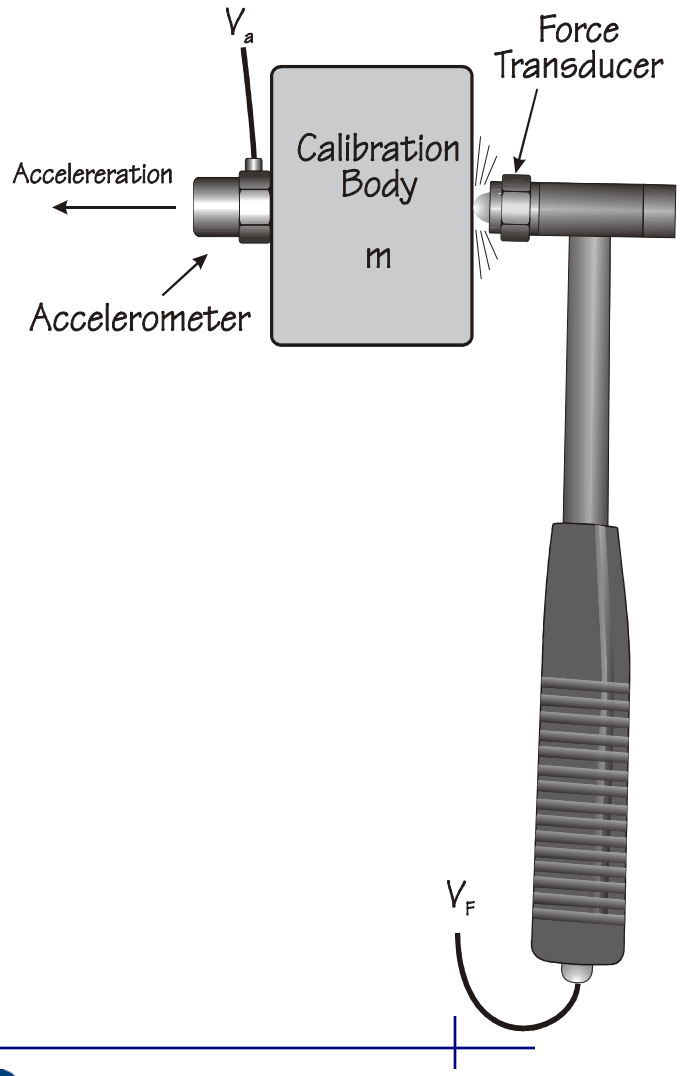
Calculate sensitivity with 2 lb_m:

$S_F = 398mV/(2lb_m * 35.6g)$

$= 5.6mV/lb_f$







TMS

PCB PIEZOTRONICS INC.