

Multi-Component Sensors

Braking Force [30003]

This load cell is used to measure the normal and lateral forces exerted on a tire installed on a rolling resistance machine.



SPECIFICATIONS

Capacities..... $F_y= 5000\text{lbs}$, $F_z=7500\text{lbs}$
Overload capacity..... 150% of F.S.
Output at F.S..... 1.5 mV/V nominal
Non-linearity..... 0.10% of F.S.
Hysteresis..... 0.10% of F.S.
Zero balance..... 1% of F.S.
Compensated temperature..... 70 to 170°F
Useable temperature..... -65 to +250°F
Temperature effect on zero..... 0.002% of F.S./°F
Temperature effect on span..... 0.002% of Rdg./°F
Bridge resistance..... 350 Ohms
Excitation voltage, maximum..... 20 Vdc