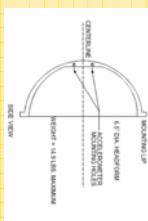
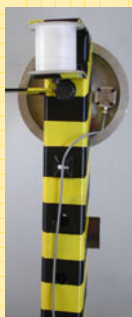
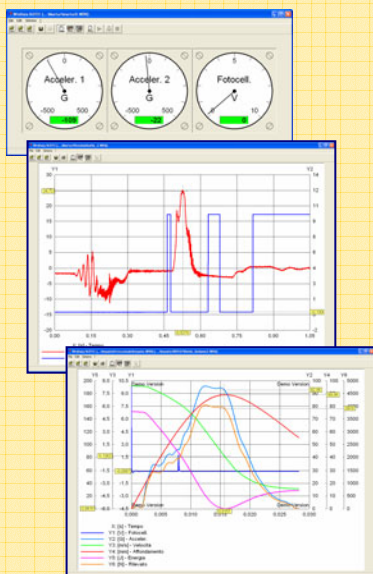


T. B. 1887  Pendulum Impactor - Car Seat testing

Applications

The basic principle of the Pendulum Impact Tester is to use the kinetic energy of a rotating pendulum hammer to impact test samples and measure the energy absorption of the sample. This bench applies to simulate the impact of the head against the seat headrest.

The system permits seat regulation on two axis, rotating the seat fixture. It is also possible to impact the rear of the headrest.



Hammer Weight = 6.78 kg (14.9 lbs)
Hammer Kinetic Energy (joules) = 148 J
Hammer Velocity = 23.65 km/h (14.70 mph)

The impact sequency is controlled by a PLC, while the data are aquired by a remote PC and the WinData Acquisition Software; other custom application can be developed upon request. The test that can be carried out in accordance with the relevant test standard.