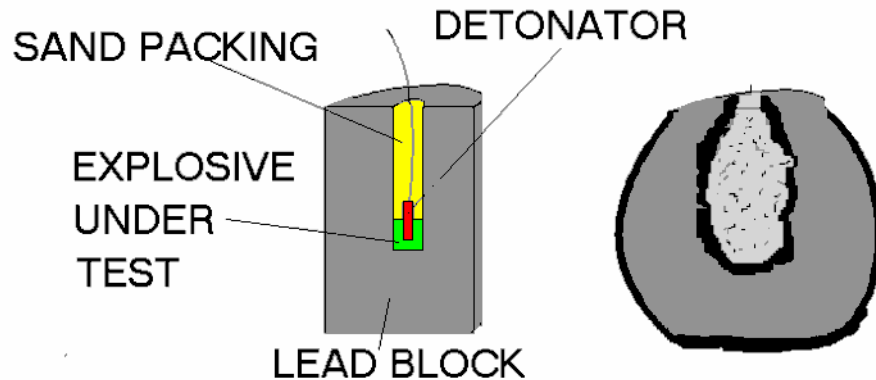


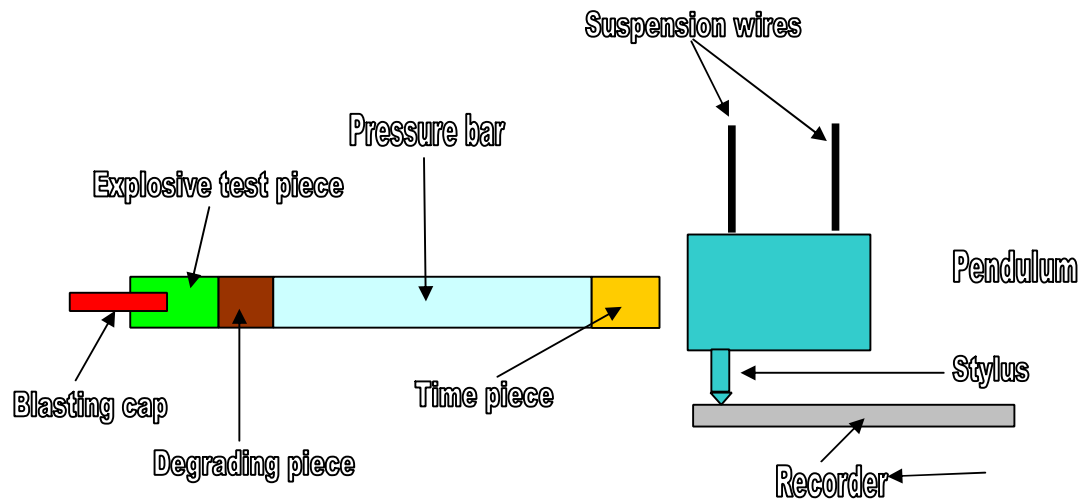
POWER MEASUREMENTS

The Trauzel test measures the expansion of a block of lead of known dimensions when subjected to the explosion of a known quantity of explosive.



TRAUZEL TEST

The Hopkinson pressure bar measures the impulse applied to a pendulum by a time piece being projected by the application of a measured quantity of explosive. It is not a true and direct measure as the forces being applied to the pressure bar necessitate the provision of a degrading bar to prevent destruction of the bar.



HOPKINSON PRESSURE BAR