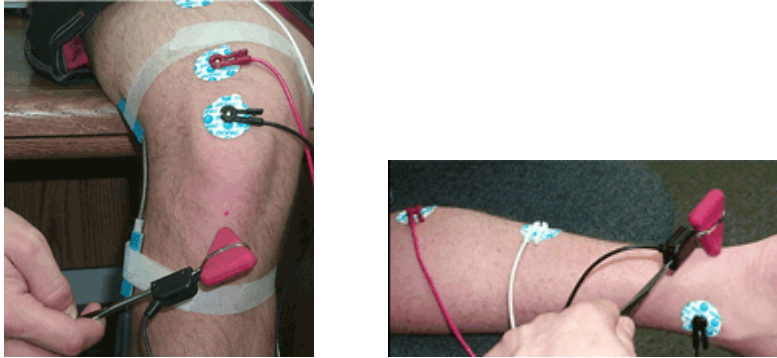


SS36L REFLEX HAMMER



The SS36L is a classic reflex hammer with a transducer attached to perform reflex measurements and record strike magnitude. Use it to perform a series of lessons to measure human reaction time in the bicep (elbow) and the Achilles tendon, as well as to measure the knee jerk reflex.

It uses a Taylor Hammer—the most common type of reflex hammer used by doctors and nurses—and incorporates electronics to record the time and the relative strength of the impact. Being able to measure the strength of impact allows students to take threshold measurements; that is, they can measure how much of an impact is needed to elicit a response.

A piezo copolymer coaxial cable is inserted into the rubber head of the hammer. When compressed or stretched, the cable generates a voltage that is somewhat proportional to the force of acceleration/deceleration. The hammer only generates a response signal when contact is made with the subject—just swinging the hammer in the air will not produce a response.

Used in Biopac Student Lab Lessons

- [H16 Reflexes & Reaction Time](#)
- [H28 Reflex Response](#)
- [L20 Spinal Cord Reflexes](#)