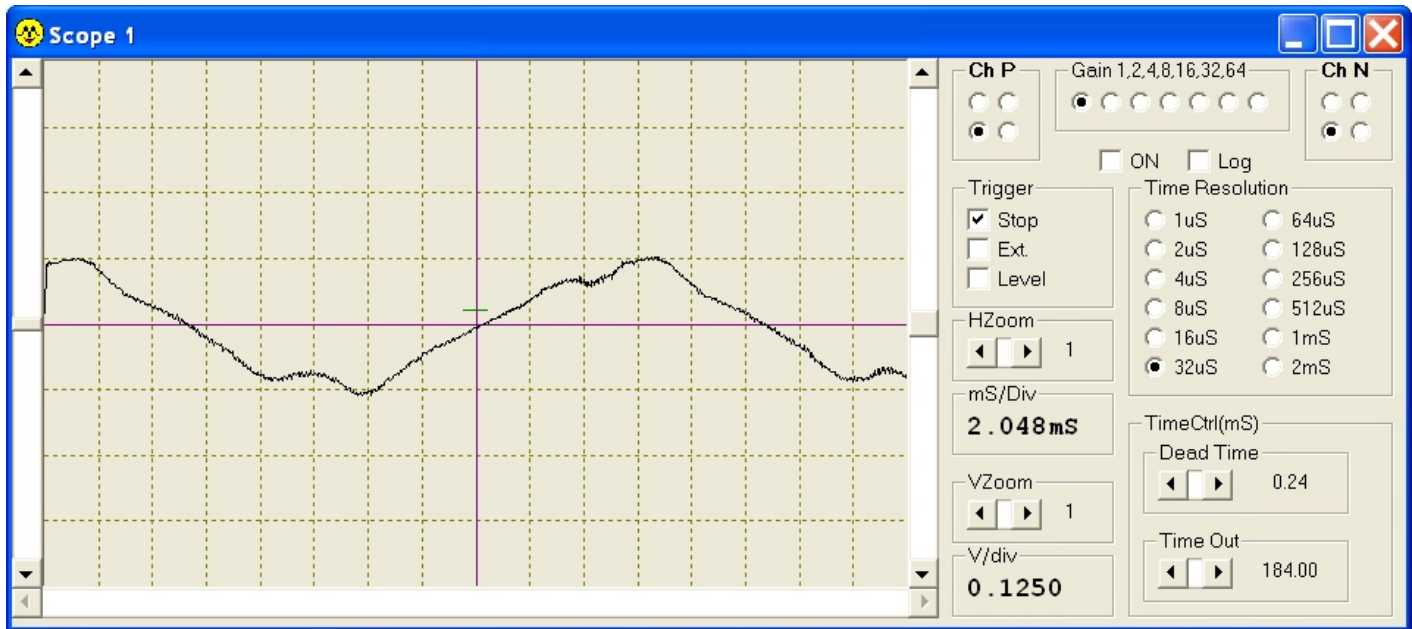


## Hx7 oScope

Hx7 oScope features instrumentation style differential inputs with gain up to 64 times. Full scale reference for its 12 bit AD converter is 1 V, signal resolution is therefore around 4 microvolts. Differential measurement reduces ground noise and loop issues within the common mode band between 0 and 1 volts. Inputs are high impedance and virtually free floating in the common mode range. With virtually no load on the measurement subject the differential inputs make the hx7 scope useful for medical applications. Both single ended and differential pre-amplifiers are available for the hx7 scope to take the measurement into the nano volt range.



The image above is a snapshot of the potential difference across the human body arm to arm. Here the dataset consists of 1024 number of 12 bit data points representation of voltage. The snapshot is taken at Gain=1 (in discrete steps of 244 microvolts) with 32 microseconds between each data point.

Hx7 oScope is shown on the right, the blue wire is the positive input on channel 1, and green the negative input on channel 1.

