

# Current's Effect on the Human Body

Current	Reaction
Below 1 milliampere	Generally not perceptible
1 milliampere	Faint tingle
5 milliamperes	Slight shock felt; not painful but disturbing, individual can let go
6-25 milliamperes	Painful shock, loss of muscular control
9-30 milliamperes	Individual cannot let go, but can be thrown away from the circuit if extensor muscles are stimulated
50-150 milliamps	Extreme pain, respiratory arrest, death is possible
1,000-4,300 milliamperes	Rhythmic pumping action of the heart ceases. Muscular contraction and nerve damage, death likely.
10,000 milliamperes	Severe burns, cardiac arrest, death probable