Bio-information are important to confirm body condition. We focus on myoelectricity. It will be expected improvement of exercise efficiency because muscle condition is controlled by sensing and feedback myoelectricity. General myoelectricity measurement method is used some disposable electrodes. These are caused skin irritation and uncomfortable feelings. Furthermore, these are difficult to use for the long time. Therefore, the new system without disposable electrodes are needed. We developed wearable myoelectricity measurement system by using capacitance coupling. The condenser is consisted between skin and electrodes. It can measure myoelectricity in noncontact to the skin. We measured myoelectricity during calf raises by commercial system and developed system. We could measure myoelectricity by developed system. However, myoelectricity by developed system is smaller output than commercial system. This is because of impedance between skin and electrodes became higher.