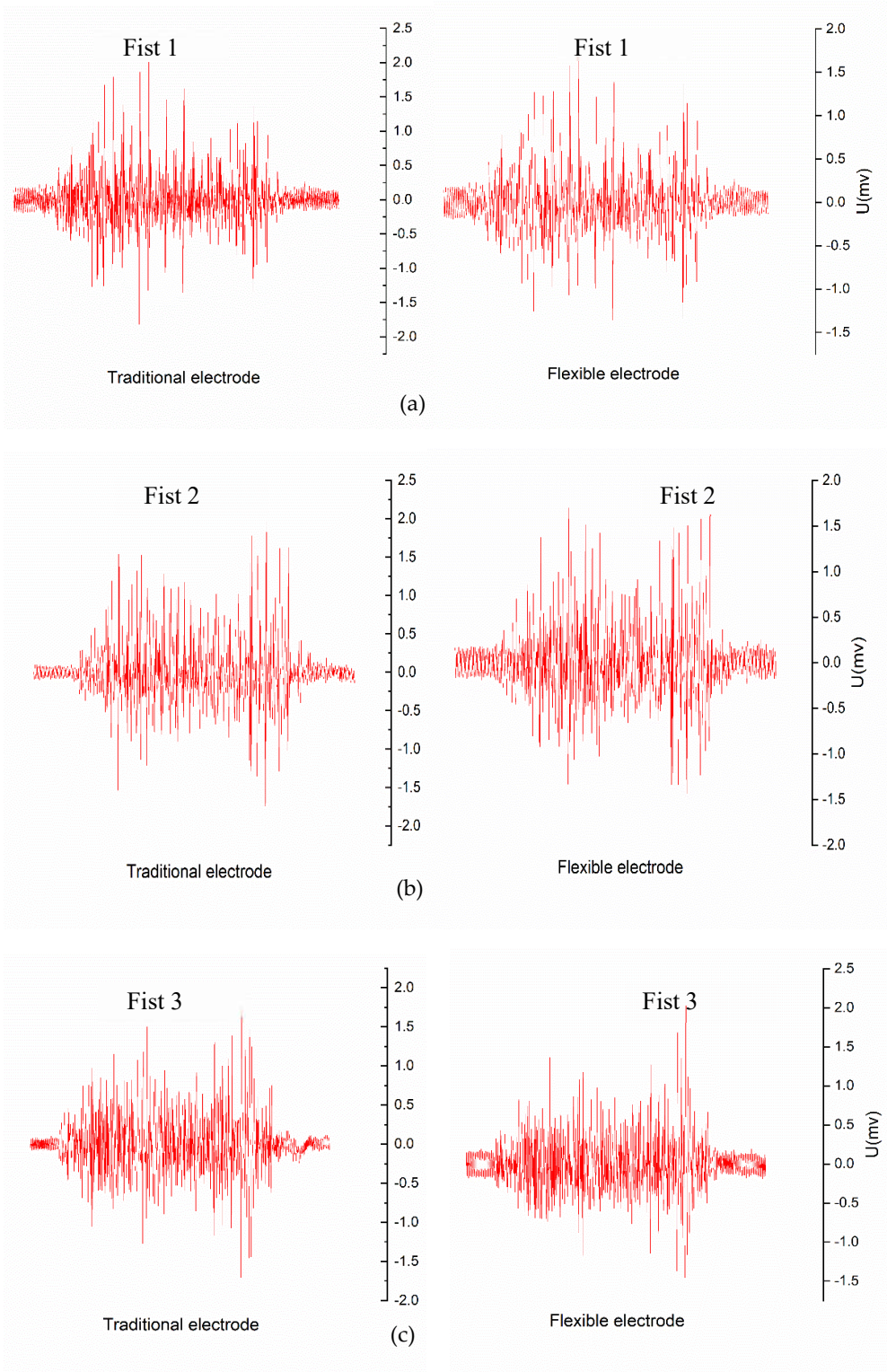
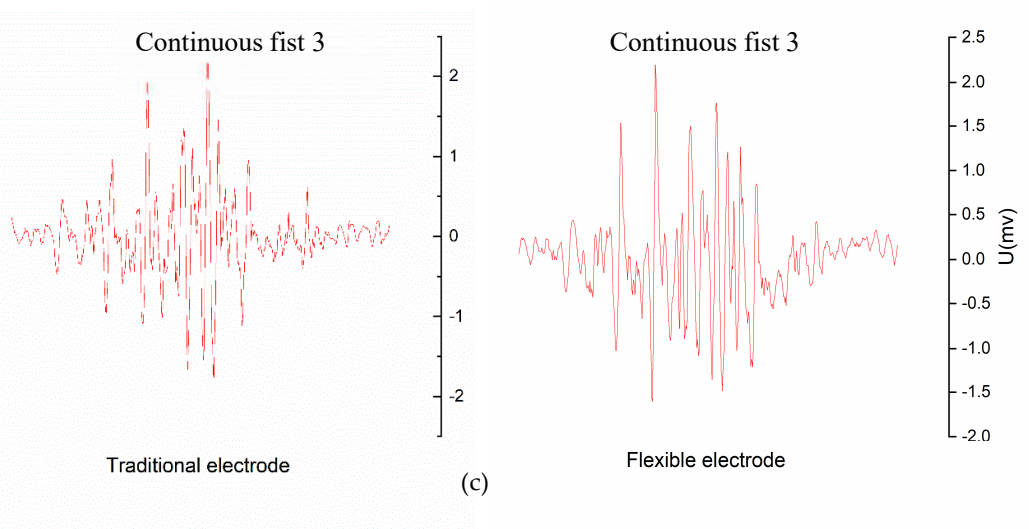
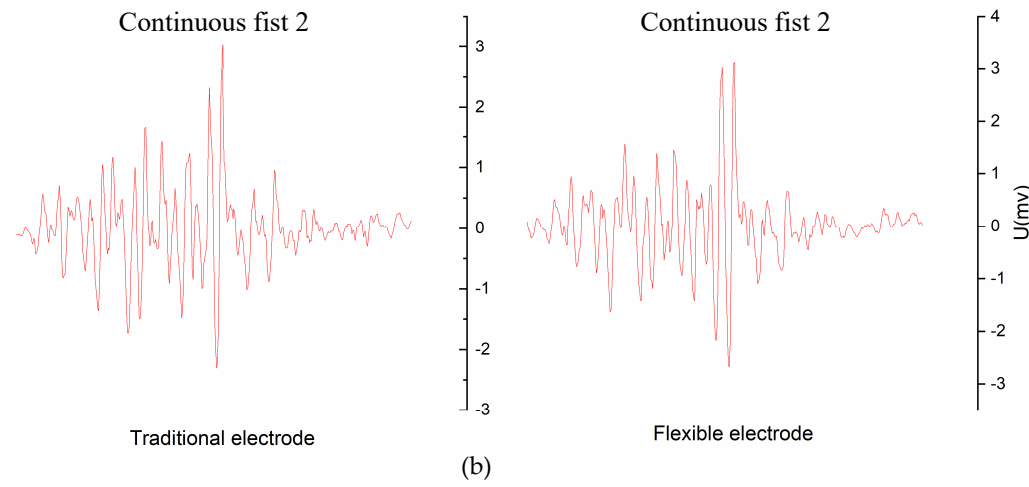
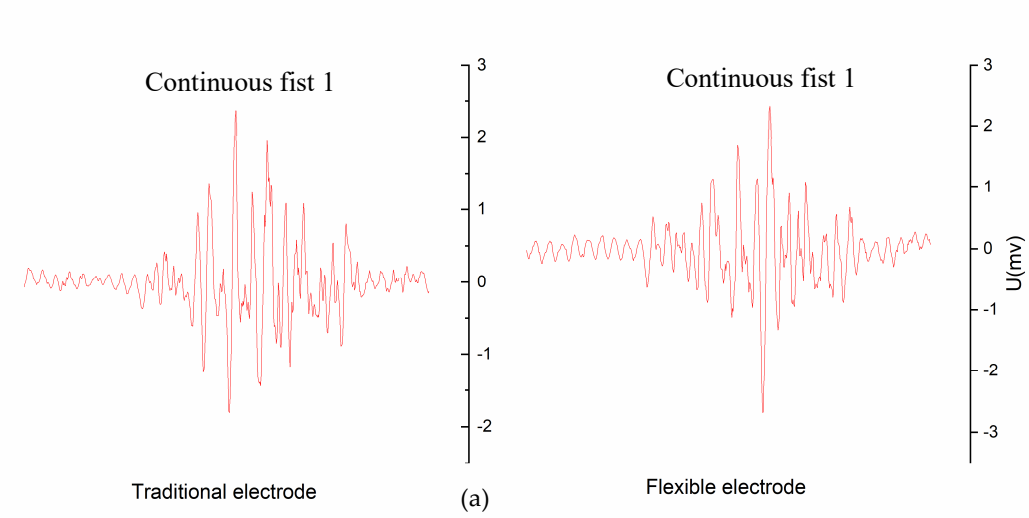


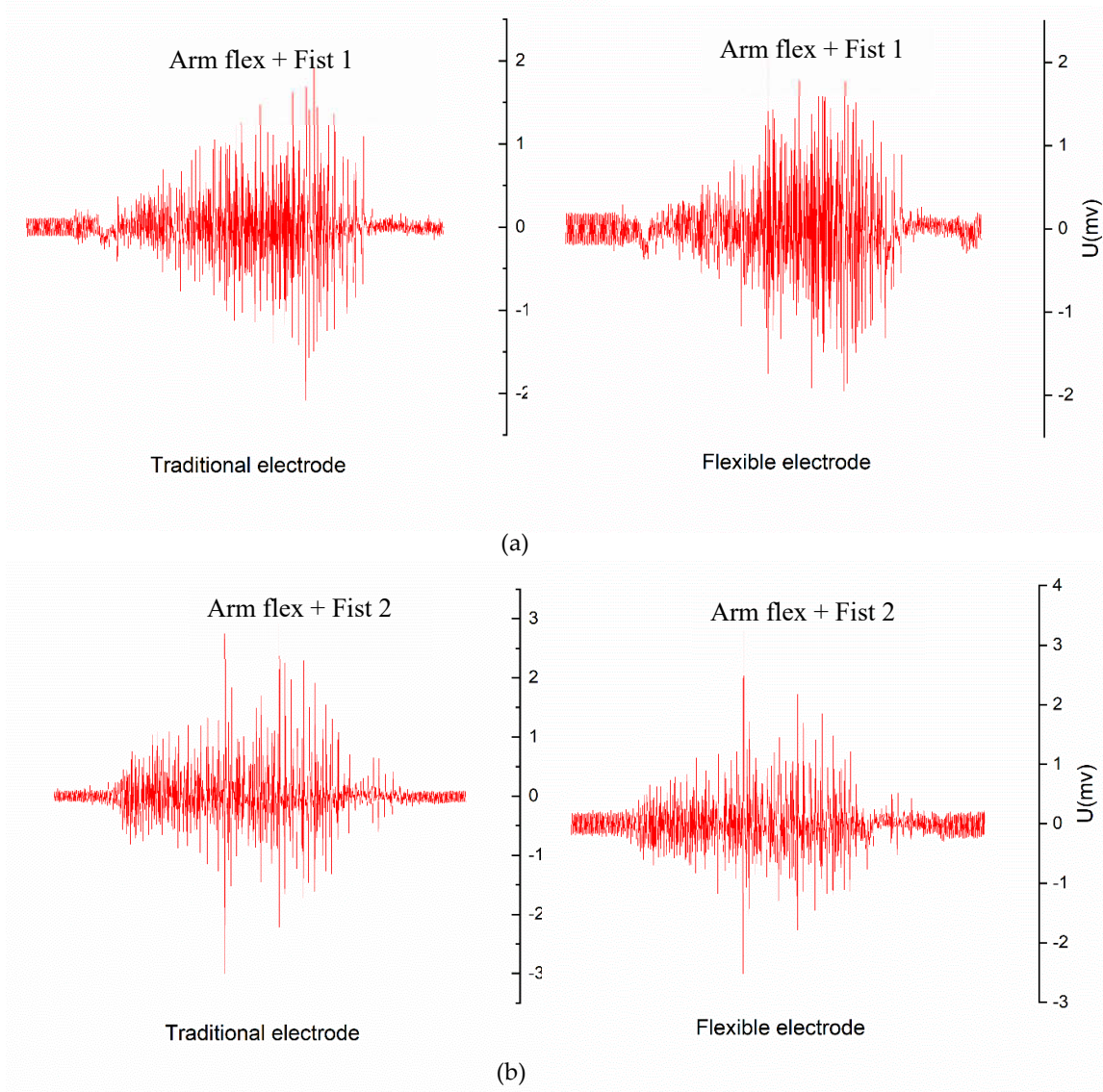
Three independent graphs for sEMG recording under each movement are provided as supplement of the revised manuscript.



**Figure S1.** movement of fist (a) the sEMG of fist 1 (b) the sEMG of fist 2 (c) the sEMG of fist 3



**Figure S2.** movement of continuous fist (a) the sEMG of continuous fist 1 (b) the sEMG of continuous fist 2 (c) the sEMG of continuous fist 3



**Figure S3.** movements of arm flex combining fist (a) the sEMG of arm flex combining with fist 1 (b) the sEMG of arm flex combining with fist 2.