Dear Editor and Reviewers:

Thank you for your letter and for the reviewer’ comments concerning our manuscript entitled ‘*An approach for random displacement measurement by combining magnetic scale and Two Fiber Bragg Gratings*’ (ID: JoVE58182). Those comments are all valuable and very helpful for revising and improving our paper, as well as the important guiding significance to our researches. We have studied comments carefully and have made correction which we hope to meet with approval. Revised portion are marked in red in the paper. The main corrections in the paper and the responds to the editor’s comments are as flowing:

**Responds to the editor’s comments:**

1. Figure 1 says 21.25 mm??.

**Answer:** A distance of 22.5 mm ((2+1/4) \* τ) is set between the two detectors, where τ equals to 5 mm, thus, picture 1 says 22.5 mm, which has been revised.

1. Figure 5a says .4948 nm? Where does 0.5217 come from? This should be moved to the Representative Results.

**Answer:** 0.5217 is obtained from data with Fitting tools in Matlab, thus, picture 5a says 0.5217nm, which has been revised.

Pro. Mingli Dong

2018/11/4