

光を用いた非接触血中酸素濃度取得

Non Contact Blood SPO2 Measurement

SpO₂(血中酸素濃度)値の空間計測方法

Non contact Measurement of SpO₂



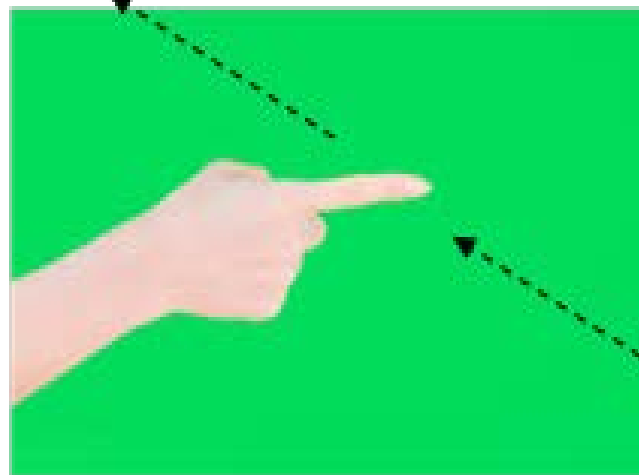
発光素子



受光素子

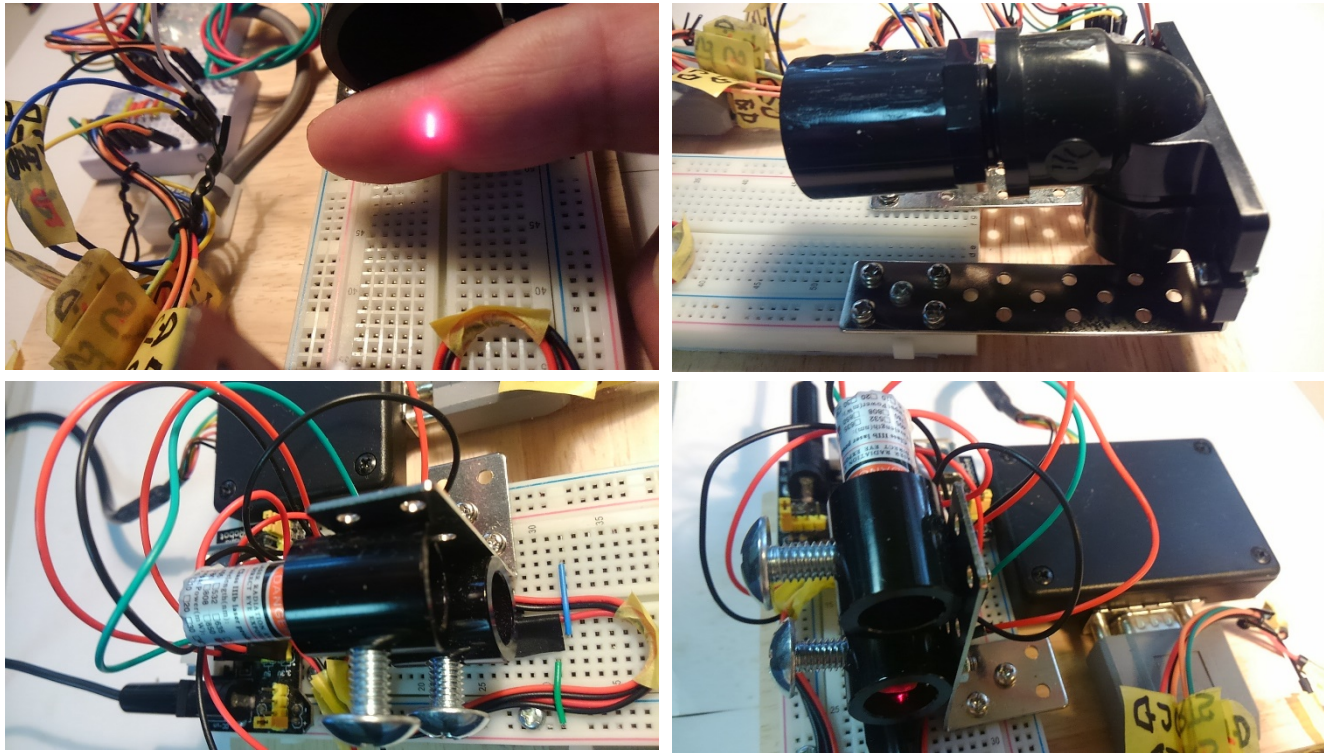
従来方式
Current

受光素子



発光素子

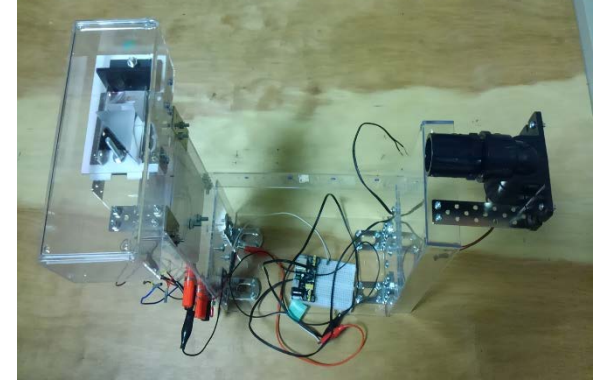
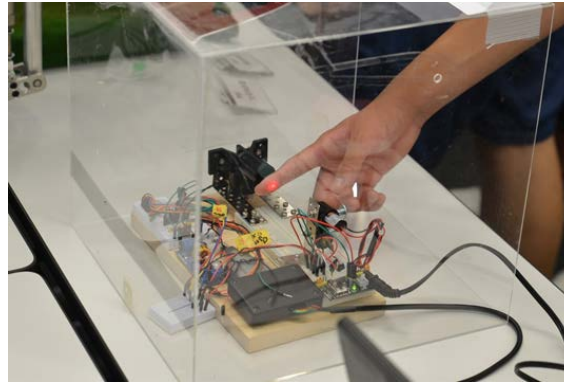
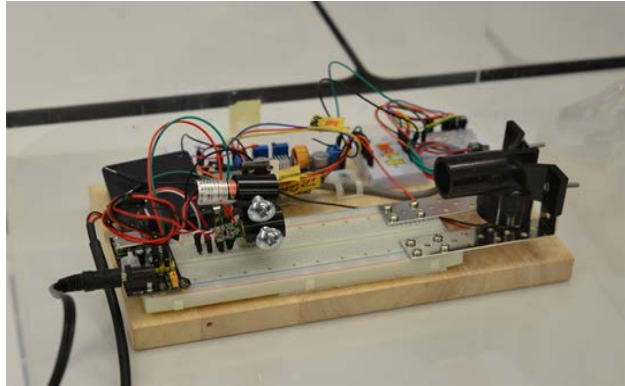
SpO2 production of space instrument prototype of value



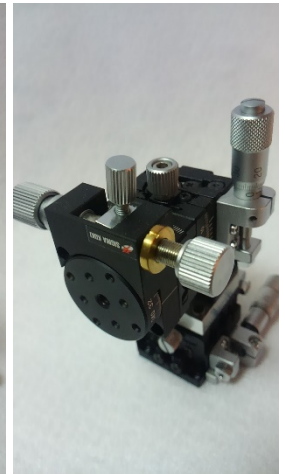
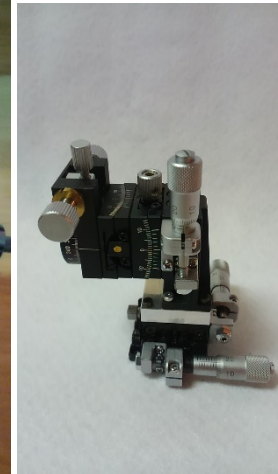
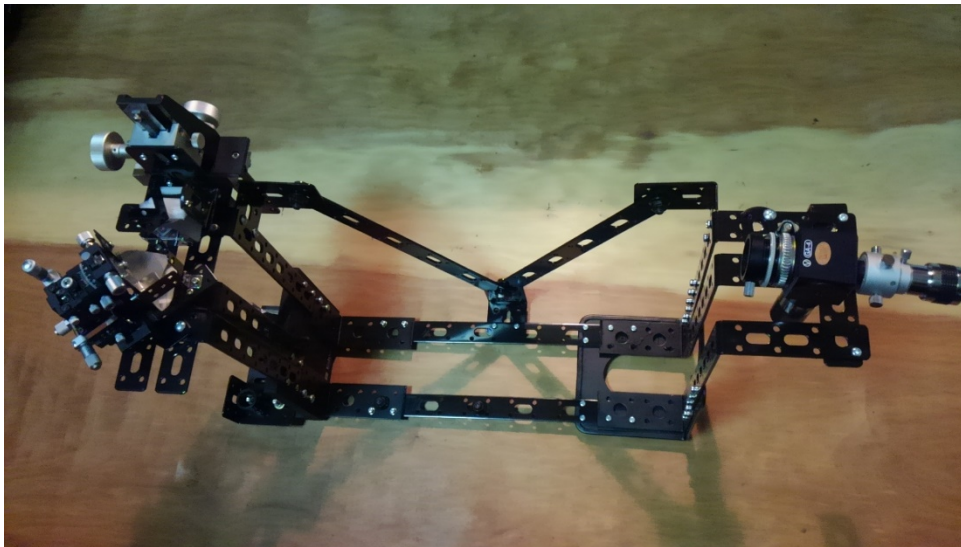
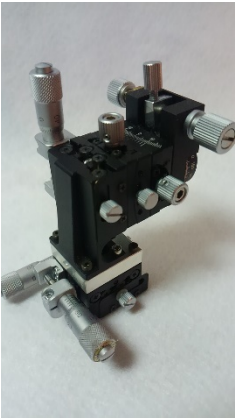
Non-contact SpO2 measuring device prototype in operation

Connecting a substrate that was produced with the program that was created in the laser beam module, and verify the effectiveness of the experimental function. Result, it was found that SpO2 value is valid and properly.

Comparison of prototypes under construction with the old inspection machine



Initial measurement effective range: 120 mm ↑ / Second measurement effective range: 210 mm ↑



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Latest measurement effective range: 360 mm ↑