

ABSTRACT

Wrist action shaker is a laboratory tool that is designed to extract and dissolve sampel. This tool has two arms and clamps the sample media. The working principle of wrist action shaker instrument is inserted in the sample erlenmeyer, then flops on the arm or arm tool. Timer and predetermined speed will drive the motor that will drive the two arms of the shaker and shaking lasted samples. Two arms on the shaker is the replacement of a human arm shaking when done manually.

This wrist action shaker serves to mengohomogenkan or mixing a solution on a small scale in erlenmeyer tube. Wrist action shaker works using a motor with a rotation speed of 100, 150, 200 rpm.

Based on the measurements that have to be got value comparison between measurement Rpm and tachometer are not much different. That is the highest error rate of 7.3% with the load. Based on experiments, testing tools, and data in general it can be concluded that the tool is equipped with wrist action shaker Live view Rpm may be used.

Keyword : Rpm, Wrist action shaker , optokopler