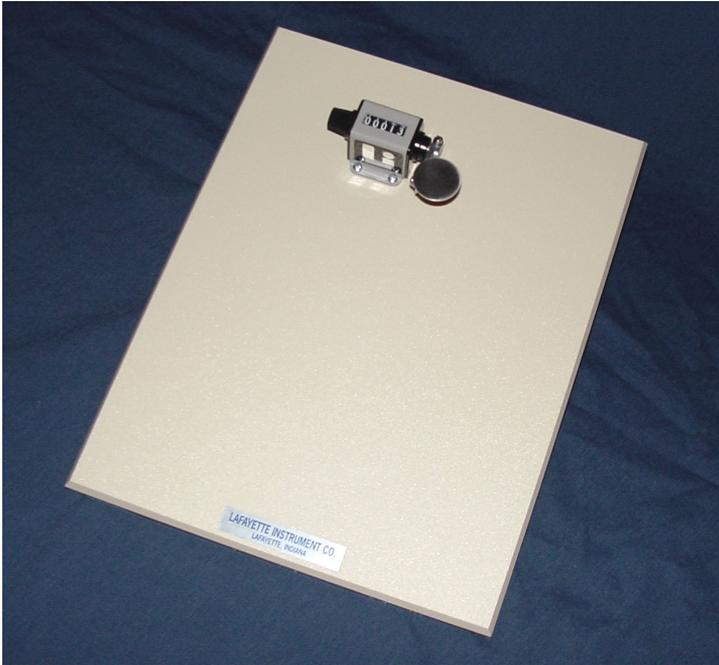


MAN212

Model 32726

Finger Tapping Test

User Instructions



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Description

This is a measure of maximum oscillation rate of the index finger.

Materials Needed

Mechanical finger tapper

Test Instructions

The finger tapper is presented to the patient with the following instructions:

"Now we are going to see how fast you can tap. We will use this little key here."

Point out the key to the patient

"Place your arm and hand in a comfortable position like this and without moving your wrist or arm, I want you to tap as fast as you can with your forefinger like this."

Examiner demonstrates the correct position: index finger is placed on the key; all other fingers are flat on the board; the heel of the hand should rest firmly on the board and the forearm should rest comfortable across the table. To emphasize the speed, the examiner should tap very quickly for a few seconds.

"You will have to remember to let the key come all the way up and push it all the way down to click each time, or else the number on the dial won't change."

Demonstrate how the dial will not change and then quickly repeat the correct method.

"Now move the board to a comfortable position for your (dominant) hand, and try to practice."

After a successful practice session, continue:

"I will tell you when to begin and stop each time. Remember to tap as fast as you can. Ready. Go."

Supplementary Instructions

The number of times the patient can tap in an **exact** 10-second trial period is recorded. The number of trials necessary is dependent upon the range of scores. Five consecutive trials within a five-point range are required. The maximum number of trials attempted is 10.

Example

- If the first 5 scores are: 48, 45, 48, 46, 49; discontinue trials and obtain a mean of 47.
- If the first 5 scores are: 45, 50, 51, 46, 49; more trials must be given.

There are a number of criteria, which must be adhered to, to make a trial valid.



The hand and fingers must be in the correct position for the entire trial. It may be necessary to have the patient hold down his thumb with the hand not being tested, or the examiner may have to hold down the other fingers. This must be gentle, however, so as not to impede the rate.

The patient must use just a finger movement, the arm and wrist should remain resting on the board and table.

The patient should not “flip” the key so that his finger slips off, but tap it in a continuous movement.

Maximum speed should be obtained and encouragement to speed up may be needed. A brief rest period may be necessary after each trial, but after every third trial, a rest period of one minute or two must be given.

The trial period must be an exact 10 seconds. Emphasis should be placed on the patient beginning and stopping as soon as he is told. However, the examiner must start timing when the patient actually begins a trial and record the number of taps at exactly 10 seconds. The patient could tap once or twice beyond the stop signal so examiner must watch dial at exactly 10 seconds.

If any of the above points are not adhered to, discontinue the trial. After explaining the test criteria emphatically, and after a brief rest period, re-administer the trial.

To avoid discontinuing trials, the practice sessions should be specific and all the particular points carefully outlined. At the same time, the practice session should not be excessive to the point that the patient is tired before any actual trials are begun.

Note

The same procedure is followed with the non-dominant hand including the practice session. All trials with the dominant hand should be completed before introducing the trials with the non-dominant hand.

Scoring

The dominant and non-dominant trials should be clearly labeled. The scored for each trial is recorded separately in the proper sequence of occurrence. The rest periods given should be noted.

If 5 consecutive scores within a range of 5 points are obtained, calculate the mean of those 5 scores for the final score. If 5 consecutive scores within a range of 5 points was not obtained, and it was necessary to administer 10 trials, take the 5 highest scores from the 10 trials and calculate the mean of those 5 highest scores for the final score.

Finger Tapping Test (Kiddie)

The description, instructions, and scoring for the Kiddie version are identical to the Adult version with the following exceptions:

Materials Needed

Electrical finger tapper which is connected to the Motor Steadiness Machine. One important factor is to turn off the “clock” of the motor steadiness machine or turn it away from the child so that he does not make a game of making the hands turn continuously by holding down the key rather than tapping at maximum speed.

Flipping the key can also become a game with a child and should be stopped immediately. The height of the table or chair should be adjusted so that the child’s arm can rest comfortably. Obtaining exact 10 second trial readings is somewhat easier since the examiner can control the number of taps registered by turning the power source on and off.

A child may require more rests in between trials, which should be noted.

Terms and Conditions

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All orders need to be accompanied by a hard copy of your purchase order. All orders must include the following information:

- Quantity
- Part Number
- Description
- Your purchase order number or method of pre-payment
- Your tax status (include tax-exempt numbers)
- Shipping address for this order
- Billing address for the invoice we'll mail when this order is shipped
- Signature and typed name of person authorized to order these products
- Your telephone number
- Your email address
- Your FAX number

Domestic Terms

There is a \$50 minimum order. Open accounts can be extended to most recognized businesses. Net amount due 30 days from the date of shipment unless otherwise specified by us. Enclose payment with the order; charge with VISA, MasterCard, American Express, or pay COD. We must have a hard copy of your purchase order by mail, E-mail or fax. Students, individuals and private companies may call for a credit application.

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If ordering instrumentation for use outside the USA, please specify the country of ultimate destination, as well as the power requirements (110V/60Hz or 220V/50Hz). Some model numbers for 220V/50Hz will have a "CC" suffix.

Quotations

Quotations are supplied upon request. Written quotations will include the price of goods, cost of shipping and handling, if requested, and estimated delivery time frame. Quotations are good for 30 days, unless otherwise noted. Following that time, prices are subject to change and will be re-quoted at your request.

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Orders for custom products, custom assemblies or instruments built to customer specifications will be subject to a cancellation penalty of 100%. Payment for up to 100% of the invoice value of custom products may be required in advance. Cancellation for a standard Lafayette Instrument manufactured product once the product has been shipped will normally be assessed a charge of 25% of the invoice value, plus shipping charges. Resell items, like custom products, will be subject to a cancellation penalty of 100%.

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Please see the cancellation penalty as described above. No item may be returned without prior authorization of Lafayette Instrument Company and a Return Goods Authorization (RGA#) number which must be affixed to the shipping label of the returned goods. The merchandise should be packed well, insured for the full value and returned along with a cover letter explaining the reason for return. Unopened merchandise may be returned prepaid within thirty (30) days after receipt of the item and in the original shipping carton. Collect shipments will not be accepted. Product must be returned in saleable condition, and credit is subject to inspection of the merchandise.

Repairs

Instrumentation may not be returned without first receiving a Return Goods Authorization Number (RGA). When returning instrumentation for service,

please call Lafayette Instrument to receive a RGA number. Your RGA number will be good for 30 days. Address the shipment to:

Lafayette Instrument Company

3700 Sagamore Parkway North

Lafayette, IN 47904, USA.

Shipments cannot be received at the PO Box. The items should be packed well, insured for full value, and returned along with a cover letter explaining the malfunction. An estimate of repair will be given prior to completion ONLY if requested in your enclosed cover letter. We must have a hard copy of your purchase order by mail or fax, or repair work cannot commence for non-warranty repairs.

Damaged Goods

Damaged instrumentation should not be returned to Lafayette Instrument prior to a thorough inspection. If a shipment arrives damaged, note damage on delivery bill and have the driver sign it to acknowledge the damage. Contact the delivery service, and they will file an insurance claim. If damage is not detected at the time of delivery, contact the carrier/shipper and request an inspection within 10 days of the original delivery. Please call the Lafayette Instrument Customer Service Department for repair or replacement of the damaged merchandise.

Limited Warranty

Lafayette Instrument Company warrants equipment manufactured by the company to be free of defects in material and workmanship for a period of one year from the date of shipment, except as provided hereinafter. The original manufacturer's warranty will be honored by Lafayette Instrument for items not manufactured by Lafayette Instrument Company, i.e. resell items. This assumes normal usage under commonly accepted operating parameters and excludes consumable products.

Warranty period for repairs or used instrumentation purchased from Lafayette Instrument is 90 days. Lafayette Instrument Company agrees either to repair or replace, at its sole option and free of part charges to the customer, instrumentation which, under proper and normal conditions of use, proves to be defective within the warranty period. Warranty for any parts of such repaired or replaced instrumentation shall be covered under the same limited warranty and shall have a warranty period of 90 days from the date of shipment or the remainder of the original warranty period whichever is greater. This warranty and remedy are given expressly and in lieu of all other warranties, expressed or implied, of merchantability or fitness for a particular purpose and constitutes the only warranty made by Lafayette Instrument Company.

Lafayette Instrument Company neither assumes nor authorizes any person to assume for it any other liability in connection with the sale, installation, service or use of its instrumentation. Lafayette Instrument Company shall have no liability whatsoever for special, consequential, or punitive damages of any kind from any cause arising out of the sale, installation, service or use of its instrumentation. All products manufactured by Lafayette Instrument Company are tested and inspected prior to shipment. Upon prompt notification by the Customer, Lafayette Instrument Company will correct any defect in warranted equipment of its manufacture either, at its option, by return of the item to the factory, or shipment of a repaired or replacement part. Lafayette Instrument Company will not be obliged, however, to replace or repair any piece of equipment, which has been abused, improperly installed, altered, damaged, or repaired by others. Defects in equipment do not include decomposition, wear, or damage by chemical action or corrosion, or damage incurred during shipment.

Limited Obligations Covered by this Warranty

1. In the case of instruments not of Lafayette Instrument Company manufacture, the original manufacturer's warranty applies.
2. Shipping charges under warranty are covered only in one direction. The customer is responsible for shipping charges to the factory if return of the part is required.
3. This warranty does not cover damage to components due to improper installation by the customer.
4. Consumable and/or expendable items, including but not limited to electrodes, lights, batteries, fuses, O-rings, gaskets, and tubing, are excluded from warranty.
7. Failure by the customer to perform normal and reasonable maintenance on instruments will void warranty claims.
8. If the original invoice for the instrument is issued to a company that is not the company of the end user, and not an authorized Lafayette Instrument Company distributor, then all requests for warranty must be processed through the company that sold the product to the end user, and not directly to Lafayette Instrument Company.

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