microFET 2™ Muscle Test Dynamometer

Muscle Testing Technology that Fits in the Palm of your Hand

The wireless microFET2 Digital Handheld Dynamometer is an accurate, portable Force Evaluation and Testing (FET) device. It is designed for taking objective, reliable, and quantifiable muscle testing measurements. It is a modern adaptation of the time-tested art of hands-on manual muscle testing. The microFET2 aids in diagnosis, prognosis, and treatment of neuromuscular disorders.

microFET®2 Muscle Test Dynamometer

HOGGAN SCIENTIFIC, LLC.

Features

- Ergonomic design allows microFET2 to fit comfortably in the palm of the hand
- Weighs less than 1 pound
- Easy to read LCD displays show peak force and elapsed time
- 300 lb. force capacity
- Low and high threshold setting provide expanded sensitivity
- 3 easy to change test attachments with pads
- Use as standalone device or wireless with available clinical patient testing software or data collection software.

Specifications

- Measurement range 0-300 lbs force
- Selectable units of measure: pounds (lbs.), Newtons (N), or kilogram-force (kgf)
- Accuracy within 1% of reading
- Two threshold settings for muscle testing: Low Threshold – 0.8 lb. to 300 lbs. in 0.1 lb. increments and High Threshold – 3.0 lbs. to 300 lbs. in 0.1 lb. increments.
- Stores up to 30 tests
- Uses rechargeable lithium ion battery
- Self-activating "sleep" mode after three minutes to extend battery life

Your Purchase Includes

- microFET2 device
- 3 Test attachments - flat transducer pad, curved transducer pad, digit transducer pad
- User manual
- Calibration certificate
- Wall pack power supply
- Carrying case
- 1 Year standard warranty Included, with extended warranties available
- Optional clinical or FET data collection software available
- Available muscle test positions wall chart and test record forms to print can be downloaded from the website.
- Product Warranty: Warranty registration can be completed online from website.

Evaluation tools to measure, objectify and document human performance

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MUSCLE TESTING POSITIONS

Diagrams indicate muscle tests with transducer placement, proper positioning and stabilization for test

microFET®2

SHOULDER FLEXION

Tested Individual: Supine
Shoulder Position:
Flexed 90 degrees
Dynamometer Position:
Just proximal to elbow

SHOULDER EXTENSION

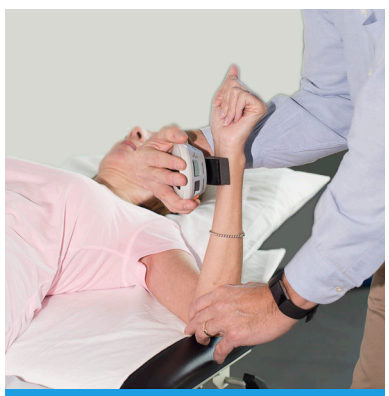
Tested Individual: Supine
Shoulder Position:
Flexed 90 degrees
Dynamometer Position:
Just proximal to elbow

SHOULDER ABDUCTION

Tested Individual: Supine
Shoulder Position:
Abducted 90 degrees
Dynamometer Position:
Just proximal to elbow

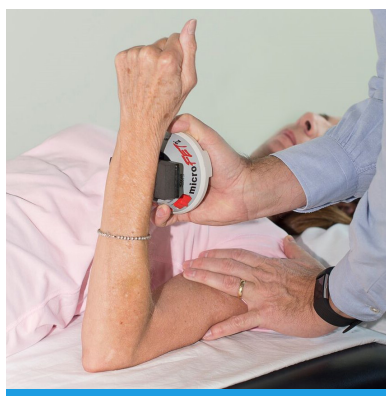
SHOULDER EXTERNAL ROTATION

Tested Individual: Supine
Shoulder Position:
Abducted 45 degrees
Elbow Position:
Flexed 90 degrees
Dynamometer Position:
Just proximal to wrist



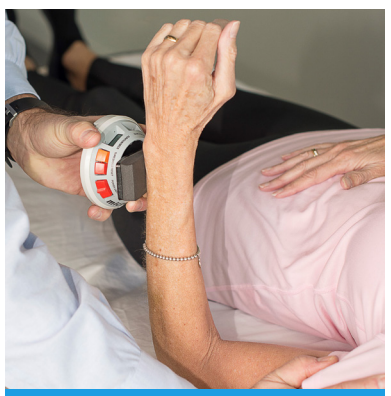
SHOULDER INTERNAL ROTATION

Tested Individual: Supine
Shoulder Position:
Abducted 45 degrees
Elbow Position:
Flexed 90 degrees
Dynamometer Position:
Just proximal to wrist



ELBOW FLEXION

Tested Individual: Supine
Elbow Position:
90 degrees
Dynamometer Position:
Just proximal to wrist

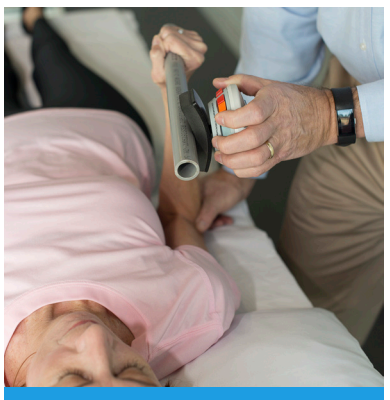


ELBOW EXTENSION

Tested Individual: Supine
Elbow Position:
90 degrees
Dynamometer Position:
Just proximal to wrist

FOREARM PRONATION

Tested Individual: Supine
Elbow Position:
90 degrees
Dynamometer Position:
Against dowel 20cm from dowel held in hand

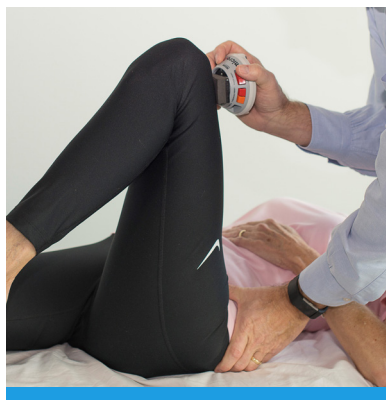


FOREARM SUPINATION

Tested Individual: Supine
Elbow Position:
90 degrees
Dynamometer Position:
Against dowel 20cm from dowel held in hand

WRIST EXTENSION

Tested Individual: Supine
Elbow Position:
90 degrees
Dynamometer Position:
Just proximal to metacarpal phalangeal joints of hand



HIP FLEXION

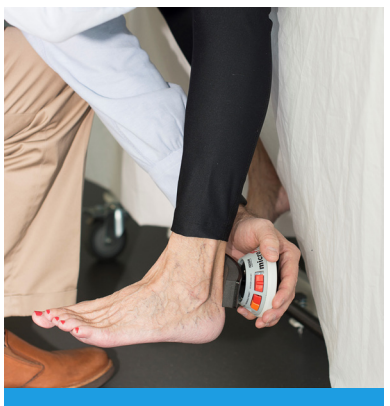
Tested Individual: Supine
Hip Position:
Flexed 90 degrees
Dynamometer Position:
Just proximal to femoral condyles

HIP ABDUCTION

Tested Individual: Supine
Hip Position:
Extended & abducted 0 degrees
Dynamometer Position:
Just proximal to lateral knee joint line

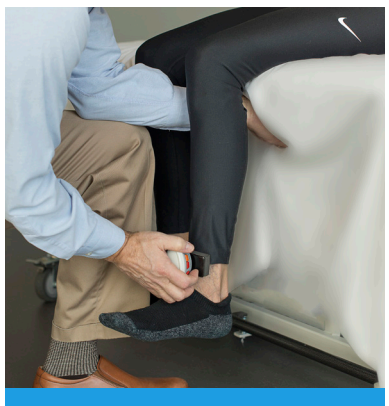
HIP EXTENSION

Tested Individual: Supine
Lower Limb Position:
Knee extended with distal limb supported on block
Dynamometer Position:
Just distal to malleoli on Achille's tendon.



KNEE FLEXION

Tested Individual: Sitting
Lower Limb Position:
Hip & knee flexed 90 degrees
Dynamometer Position:
Just distal to malleoli on a Achilles tendon.

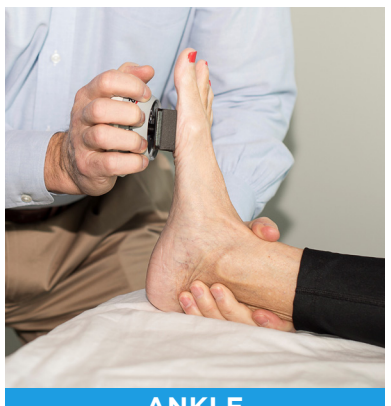


KNEE EXTENSION

Tested Individual: Sitting
Lower Limb Position:
Hip & knee flexed 90 degrees
Dynamometer Position:
Just proximal to malleoli

ANKLE DORSIFLEXION

Tested Individual: Supine
Lower Limb Position:
Knee extended & ankle in neutral dorsiflexion
Dynamometer Position:
Just proximal to metacarpal phalangeal joints



ANKLE PLANTARFLEXION

Tested Individual: Supine
Lower Limb Position:
Knee extended & ankle in neutral dorsiflexion
Dynamometer Position:
Over metacarpal phalangeal joints

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UPPER BODY

HOGGAN Scientific, LLC

Muscle Testing Reference Sheet

FORCE / TIME

Patient Name_____ Date _____

LEFT TEST 1	LEFT TEST 2	LEFT TEST3		RIGHT TEST 1	RIGHT TEST 2	RIGHT TEST3
			FOREARM			
			SUPINATOR GROUP			
			PRONATOR GROUP			
			WRIST			
			FLEX. CARPI RAD.			
			PRONATOR GROUP			
			EXT. CARPI RAD. & BR.			
			EXT. CARPI ULN.			
			FINGERS			
			LUMBRICALS			
			FLEX. DIGIT. SUP.			
			FLEX. DIGIT. PROF.			
			EXT. DIGIT. COM.			
			PALMAR INTEROSSEI			
			DORSAL INTEROSSEI			
			THUMB			
			FLEX. POLL. BR.			
			FLEX. POLL. LG.			
			EXT. POLL. BR.			
			EXT. POLL. LG.			
			ABD. POLL. BR.			
			ABD. POLL. LG.			

UPPER BODY

LEFT TEST 1	LEFT TEST 2	LEFT TEST3		RIGHT TEST 1	RIGHT TEST 2	RIGHT TEST3
			NECK			
			STERNOCLEIDOMASTOID			
			EXTENSION GROUP			
			SCAPULA			
			SERRATUS ANTERIOR			
			TRAPEZIUS (SUP)			
			TRAPEZIUS (INF)			
			TRAPEZIUS (MIDDLE)			
			RHOMBOIDS			
			SHOULDER			
			DELTOID (ANT)			
			LATASSIMUS DORSI			
			TERES MAJOR			
			DELTOID (MIDDLE)			
			DELTOID (POST.)			
			PECTORALIS MAJOR			
			LATERAL ROTATOR GROUP			
			MEDIAL ROTATOR GROUP			
			ELBOW			
			BICEPS BRACHII			
			BRACHIALIS			
			BRACHIORADIALIS			
			TRICEPS BRACHII			

LOWER BODY

HOGGAN Scientific, LLC

Muscle Testing Reference Sheet

FORCE / TIME

Patient Name _____ Date _____

LEFT TEST 1	LEFT TEST 2	LEFT TEST3		RIGHT TEST 1	RIGHT TEST 2	RIGHT TEST3
			HIP			
			ILIOPSOAS			
			SARTORIUS			
			GLUTEUS MAXIMUS			
			GLUTEUS MEDIUS			
			TENSOR FASCIA LATA.			
			ADDUCTOR GROUP			
			LATERAL ROTATOR GROUP			
			MEDIAL ROTATOR GROUP			
			KNEE			
			BICEPS FEMORIS			
			HAMSTRINGS			
			QUADRICEPS FEMORIS			
			ANKLE			
			GASTROCNEMIUS			
			SOLEUS			
			FOOT			
			TIBIALIS ANTERIOR			
			TIBIALIS POSTERIOR			
			PERONEUS BREVIS			
			PERONEUS LONGUS			

LOWER BODY

HOGGAN Scientific, LLC

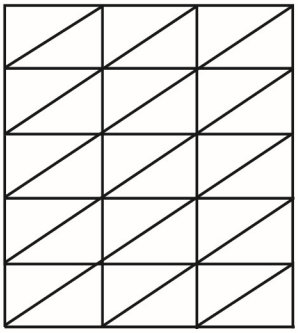
Muscle Testing Reference Sheet

FORCE / TIME

Patient Name _____ Date _____

LEFT

TEST 1 TEST 2 TEST3



TOES

LUMBRICALS

FLEX. DIGIT. BR.

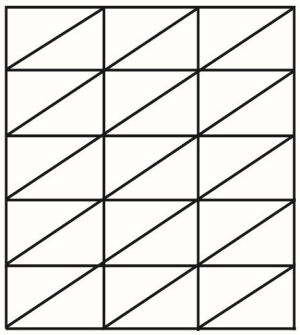
FLEX. DIGIT. LG.

EXT. DIGIT LG.

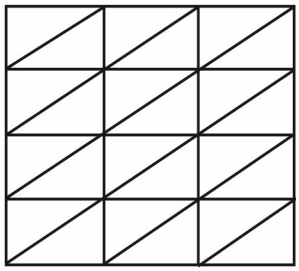
EXT. DIGIT BR.

RIGHT

TEST 1 TEST 2 TEST3



HALLUX



FLEX. HALL. BR.

FLEX. HALL. LG.

EXT. HALL. BR.

EXT. HALL. LG.