It's time to upgrade to digital!

Why switch from a hydraulic dynamometer to digital?

- Force is measured using load-cell digital technology that gives more accurate, repeatable, consistent measurements
- No hydraulic oil is used to measure force, eliminating the risk of oil leakage and decalibration
- Resetting of max results is digital; standard hydraulic reset knobs are prone to breaking
- LCD screen makes results easy to read
- Saves time by calculating mean, SD, COV, and other statistics on the device

Why should I choose BIMS™ digital dynamometers?

- Extended testing capacity (135 kg grip (300 lb) / 45 kg (100 lb) pinch) is designed for the strongest and weakest patients
- Measures force consistently with ±1% accuracy
- Color LCD display graphically shows results
- Numerous testing protocols for advanced testing
- 5-position hand grip accommodates different hand sizes and tests
- Results saved on device with memory for over 1,000 patients

BIMS™ digital 5-position grip & pinch dynamometers

Baseline and BIMS are trademarks of Goldberg.

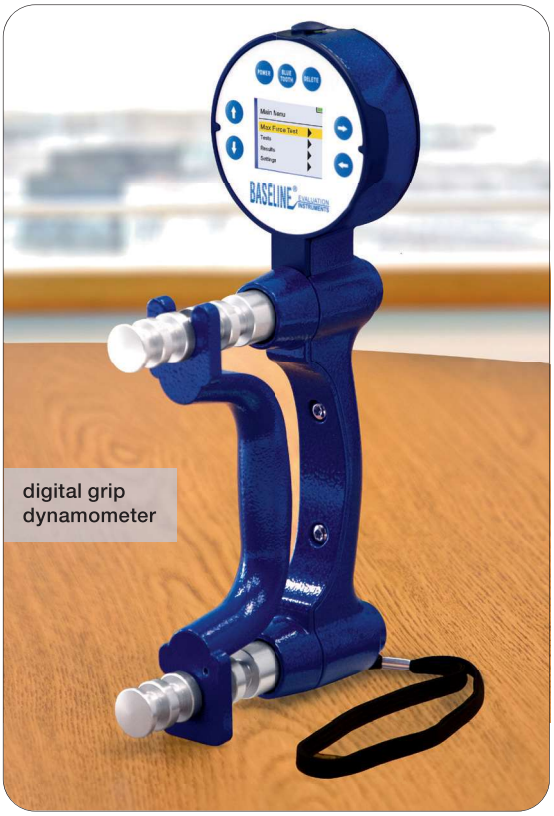
Baseline® BIMS™ digital (Load-Cell) 5-position dynamometers

2 year warranty

- Adjustable 5-position handle fits all size hands
- Accurate and repeatable grip and pinch strength measurements
- Grip dynamometers have an extended testing capacity that measures grip strength up to 135 kg (300 lbs)
- Pinch dynamometers measure pinch strength up to 45 kg (100 lbs)
- Purchase the dynamometer that meets your practice needs: **functional**, **clinic** or **deluxe**
- Subject/Test information can be inputted at time of test: dominant hand, handle position, exertion/rest times, units (lb/kg)

Test protocols

- **Live Test:** Shows real time and maximum value. Test result is not stored
- **Quick Test:** Shows real time and maximum value. Maximum is stored
- **GST (General Strength Test):** 3 tests are performed at the same handle position. Peak, mean, SD,and COV are stored
- **RET (Rapid Exchange Test):** 6 tests (alternating hands) are performed at the same handle position
- **MMVE (Modified Maximum Voluntary Effort Test):** 5 tests are performed; 1 at each handle position
- **MVE (Maximum Voluntary Effort Test):** 15 tests are performed per hand; 3 at each handle position
- **Fatigue (Work Test):** 1 extended time test is performed. Results can be used to compare strength exerted (total work performed) over 2 or more user defined time periods



digital grip dynamometer

digital pinch dynamometer

3-piece set with carry case

Functional Model

This model does everything a standard hydraulic dynamometer can do with greater accuracy and repeatability. Use to view live strength readings with the **Max Force** test.

functional model	
12-0072	grip (135 kg / 300 lb)
12-0082	pinch (45 kg / 100 lb)
12-0092	3-piece hand set

MD CE

Clinic Model

This model is ideal for clinic practitioners to perform timed tests which are calculated and saved on the device. It includes the **Max Force**, **Quick**, and **GST** tests.

clinic model	
12-0070	grip (135 kg / 300 lb)
12-0080	pinch (45 kg / 100 lb)
12-0090	3-piece hand set

MD CE

Deluxe Model

This model expands upon the Clinic model and includes more advanced timed tests that are ideal for research applications, Workers' Compensation, FCE (Functional Capacity Evaluation) and day-to-day testing. It includes **Max Force**, **Quick**, **GST**, **RET**, **MMVE**, **MVE**, and **Fatigue** tests.

deluxe model	
12-0071	grip (135 kg / 300 lb)
12-0081	pinch (45 kg / 100 lb)
12-0091	3-piece hand set

MD CE

***3-piece sets include grip dynamometer, pinch dynamometer, plastic finger goniometer (12-1014), carry case, instructions and norms.**

Baseline and BIMS are trademarks of Goldberg.

BASELINE® EVALUATION INSTRUMENTS

Baseline® 5 position hydraulic hand grip dynamometers

- The Baseline® hydraulic hand dynamometer gives accurate grip strength readings without the subject being able to "feel" the handle move
- Readings are repeatable
- Maximum reading remains until reset
- Readings in lb and kg
- CE certified; Manufactured and serviced in the USA since 1978
- Recalibration available once/year based on warranty
- Five position handle and body contours assure results consistent with published Baseline® and Jamar® studies
- Internationally accepted design assures reliability, accuracy and repeatability
- Lightweight units include protective carry case, instructions for use and norms

LiTE® Standard HD®

shown in case with norms

Choose your warranty

LiTE®	Standard	HD®
1 year warranty	2 year warranty	5 year warranty

90 kg (200 lb) capacity, 6.4 cm (2.5") diameter dial head

12-0241	LiTE®, red finish	1 year warranty
12-0240	Standard, blue finish	2 year warranty
12-0221	HD®, black finish	5 year warranty

MD CE

Baseline® Smedley spring dynamometer

2 year warranty

- Adjustable handle
- Readings in both lb and kg
- Includes carrying case

12-0281 adult (100 kg / 220 lb) MD CE

Baseline® electronic Smedley dynamometer

2 year warranty

- 5-preset grip sizes
- 90 kg (200 lb) capacity
- Saves/stores results for up to 19 users for fast retrieval

MD CE

12-0286 digital smedley (90 kg / 200 lb)

Baseline® 5-position hydraulic pinch gauge

- Easy-to-adjust paddle accommodates any hand size - standard pinch gauges only have one pinch width

- Pinch width without paddle is the same as standard pinch gauges (mechanical and hydraulic)
- 5 pinch positions allow for tip, palmar, key, rapid exchange, and 5-position pinch tests
- Users can't see results during testing
- Provides results for same test protocols as 5-position hand grip dynamometers
- Maximum reading remains until reset
- 23 kg (50 lb) capacity
- Reads in both lbs and kgs
- Results consistent with published studies

2 year warranty

12-0480 5-position hydraulic pinch gauge MD CE

Baseline® pneumatic squeeze dynamometers

- The inexpensive way to measure grip and pinch strength
- Available with and without a maximum force indicator (reset) that remains at the maximum reading until reset
- Fluid-filled bulb; Calibrated in PSI

5 cm (2") bulb with reset

12-0291	30 psi, 1 year warranty
12-0293	15 psi, 1 year warranty

MD CE

3 bulb set for grip and pinch measurements, includes 2,5 cm (1"), 3,8 cm (1.5") and 5 cm (2") bulbs with reset and case.
Similar to the Martin Vigorometer

12-0297 3-bulb set, 2 year warranty

- Smaller bulb 2,5 cm (1") can be used for children and pinching

Baseline LiTE, and HD are trademarks of Goldberg

Baseline® mechanical pinch gauge

- Measure tip, key and palmar pinch strength in lb and kg
- Results are consistent with published Mathiowetz studies
- Indicator remains at the maximum reading until reset
- Includes protective case

2 year warranty

for orthopedic and sports medicine

12-0200	13.6 kg (30 lb), blue
12-0201	27 kg (60 lb), red

for weak or damaged hands

12-0203	4.5 kg (10 lb), silver
12-0202	0.9 kg (2 lb), gold

MD CE

Baseline® hydraulic pinch gauge

LITE®

- Measure tip, key and palmar pinch strength in lb and kg
- Includes protective case

Standard

HD®

Choose your warranty

12-0226	23 kg (50 lb) LiTE®	1 year warranty
12-0235	23 kg (50 lb) standard	2 year warranty
12-0222	23 kg (50 lb) HD®	5 year warranty

MD CE

Baseline® electronic pinch gauge

- LCD display shows grip force in lb or kg
- Perform tip, key, and palmar tests
- Stores 99 readings
- 27 kg (60 lb) capacity
- 3V battery included

2 year warranty

12-0475 Baseline® electronic pinch gauge MD CE

Baseline® 7-piece hand sets

- Protective carrying case stores instruments
- Set includes choice of hydraulic grip dynamometer and mechanical pinch gauge
- Also includes stainless steel goniometer, 2-point discriminator with 3rd point, Wartenberg pinwheel, finger circumference gauge and functional finger motion gauge

MD CE

	grip / pinch	warranty
12-0102	90 kg (200 lb) (12-0241) / 13 kg (30 lb) (12-0200) LiTE®	1 year
12-0100	90 kg (200 lb) (12-0240) / 13 kg (30 lb) (12-0200) standard	2 year
12-0117	90 kg (200 lb) (12-0221) / 13 kg (30 lb) (12-0200) HD®	5 year

Baseline® 3-piece hand sets

- Protective carrying case stores instruments
- Includes choice of hydraulic grip dynamometer, hydraulic pinch gauge and 15 cm (6") stainless steel goniometer

MD CE

	grip / pinch	warranty
12-0101	90 kg (200 lb) (12-0241) / 23 kg (50 lb) (12-0226) LiTE®	1 year
12-0103	90 kg (200 lb) (12-0240) / 23 kg (50 lb) (12-0235) standard	2 year
12-0116	90 kg (200 lb) (12-0221) / 23 kg (50 lb) (12-0222) HD®	5 year

Baseline®, LiTE, and HD are trademarks of Goldberg.

BASELINE® EVALUATION INSTRUMENTS

Baseline® push-pull dynamometer

- Lightweight, small and portable; easy to grasp with or without handles
- Use for muscle strength management, job task analysis, or functional capacity evaluation
- Comes with 3 push pads and 2 pull hooks

hydraulic

Dual Grip

Hydraulic - analog

12-0393 45 kg / 100 lb

Dual Grip for push-pull dynamometer

12-0389

MD CE

Baseline® back-leg-chest dynamometer

- Measure strength of back, leg and chest muscles
- Base provides secure footing
- Chain length is adjustable to accommodate for height differences or to vary the point of force application
- Comes fully assembled with 1,5 m (5-foot) chain
- Oversize base 60 cm (24") x 60 cm (24"); regular base 45 cm (18") x 45 cm (18")
- Pointer remains at maximum until reset
- Reads lb and kg

12-0400 adult with standard base 300 kg (660 lb)

MD CE

Baseline® Sit 'n Reach® box test

- Perform sit 'n reach flexibility tests
- Measurements include: fitness program, Cooper Institute/YMCA, SHAPE America (formally known as AAHPERD)
- Scales printed in cm and inches
- Sturdy metal construction with a built-in foot plate and a maximum stretch indicator that remains until reset

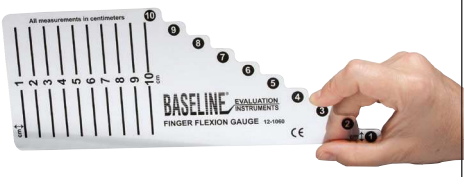
standard model

12-1085 standard

MD CE

Baseline® finger flexion gauge

- Clear plastic gauge simplifies and speeds measurement of composite finger flexion and finger-thumb opposition
- Scale measures up to 10 cm



12-1060 finger flexion gauge

MD CE

Baseline® circumference tape

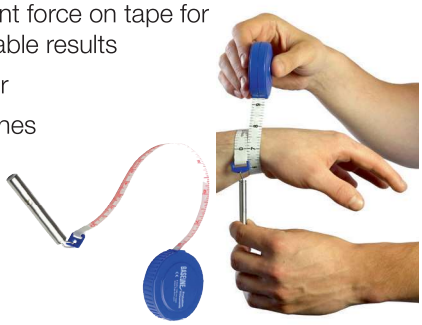
- Measure the circumference of a body part in both cm and inches

12-1205 tape

MD CE

Baseline® Gulick measurement tape

- Spring exerts constant force on tape for accurate and repeatable results
- Push-button retractor
- Reads in cm and inches



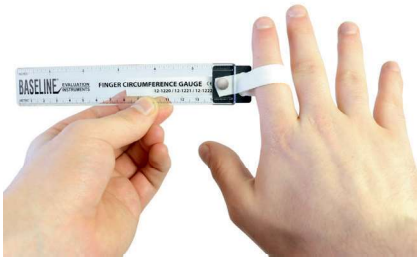
12-1201 150 cm tape (ea)

12-1203 180 cm tape (ea)

MD CE

Baseline® finger circumference gauge

- Wrap webbing around finger or digit and read circumference in both cm and inches



12-1222 gauge (in/cm)

MD CE

Baseline and Sit 'n Reach are registered trademarks of Goldberg.

Baseline® finger (digit) goniometers

- Measures 110° flexion through 40° hyperextension in 2° increments on plastic model (5° increments on metal model)
- Arm has 10 cm/4” linear scale
- Use one finger to move the measurement head through flexion, extension and hyperextension
- Readings can be taken using only one hand; freeing the therapist’s other hand to stabilize the patient during measurement or to record the measurement; standard finger goniometers require two hands to take a finger ROM measurement

Use only one hand to measure your patient!

plastic

stainless steel

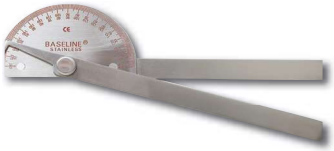
plastic digit goniometer

12-1014 plastic digit goniometer, each

stainless steel digit goniometer

12-1016 stainless steel digit goniometer, each MD CE

180° 20 cm goniometer



- Two opposing scales marked in 1° increments
- Tension between the arms is controlled by the thumb knob
- Stainless steel

12-1040 20 cm (8”), 180° MD CE

180° 35 cm goniometer

- Two opposing scales marked in 1° increments
- Extra-long arms for measuring all joints
- Stainless steel

12-1041 35 cm (14”), 180° MD CE

360° 35 cm goniometer

- Two opposing 180° scales and one 360° scale, all marked in 1° increments
- Arm tension is controlled by thumb knob
- Stainless steel

12-1050 35 cm (14”), 180° MD CE

Baseline® 180° finger (small joint) goniometer

- Stainless steel goniometer measures ROM of finger joints (metacarpophalangeal and interphalangeal) and other small joints including toes
- Head has opposing 150° scales in 5° increments
- Linear scale in cm and inches

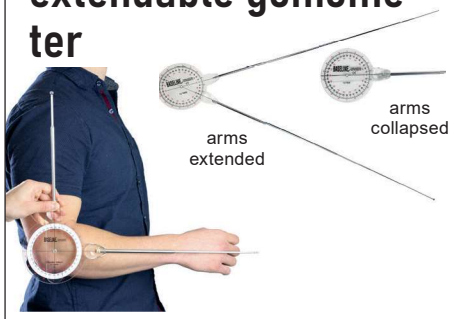
		each
standard finger, 15 cm (6”)	12-1010	
small finger, 9 cm (3½”)	12-1015	MD CE

6-piece goniometer set

- 6 goniometers in a padded carrying case
- 15 cm (6”) 180° Robinson pocket
- 35 cm (14”) 180° stainless steel
- 35 cm (14”) 360° stainless steel
- 15 cm (6”) stainless steel finger
- 20 cm (8”) 180° x-ray
- 20 cm (8”) 180° stainless steel

12-1043 goniometer set MD CE

Baseline® XTender® extendable goniometer



- Arms extend to measure large and small joints
- Extendable arms allow the goniometer to lie over anatomical bony landmarks
- Head is the same as a traditional goniometer for easy use
- Metal legs extend from 25 cm (10”) to 90 cm (36”)

12-1034HR extendable goniometer MD CE

Baseline and XTender are registered trademarks of Goldberg.

BASELINE® EVALUATION INSTRUMENTS

Baseline® plastic goniometers

- Scale reads in 1 degree increments; linear scale reads in centimeters and inches
- Hi-Res® option has white background behind the gradations and numbers for enhanced readability

Patient

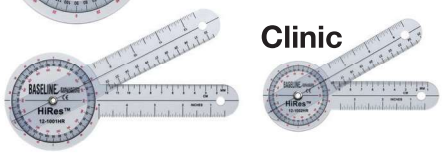
15 cm pocket

clinic - plastic ISOM	each
30 cm (12") ISOM Hi-Res® 360°	12-1000HR
20 cm (8") ISOM Hi-Res® 360°	12-1001HR
15 cm (6") 6" ISOM Hi-Res® 360°	12-1002HR
patient - plastic pocket	
15 cm (6") pocket Hi-Res® 180°	12-1005HR
plastic sets	
Hi-Res® set - 6 pieces	12-1028HR
absolute axis - plastic	
30 cm (12") Absolute+Axis® Hi-Res®	12-1025HR
AA attachment only	12-1026

MD CE

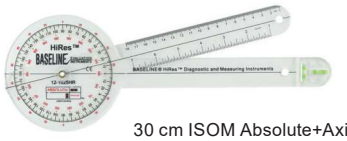
30 cm plastic ISOM

Clinic



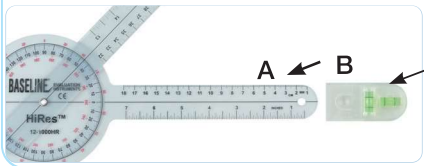
20 cm plastic ISOM 15 cm plastic ISOM

Absolute+Axis®



- Take readings from absolute vertical or horizontal

30 cm ISOM Absolute+Axis® Hi-Res® (integrated into goniometer)



Absolute+Axis® attachment slides onto any 30 cm goniometer

Baseline® digital goniometers

- **Digital plastic goniometer** reads 0-360° on a LCD screen; 25 cm linear scale

digital 25 cm 360°

25 cm (10") plastic 360° 12-1049

MD CE

Touch-Test® 2-point discriminator

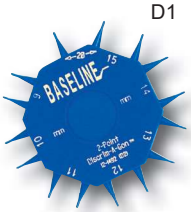
- Tests static, moving 2-point discrimination
- Consists of two sturdy, rotating, plastic disks that are joined together
- Includes instructions and carrying case

12-1495 Touch Test® 2-point MD CE

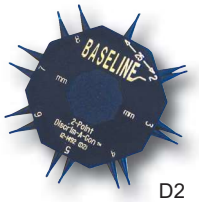
Baseline® Discrim-A Gon®2-point discriminator

- Easy-to-use, lightweight plastic wheel is the perfect sensory evaluation tool to test static and dynamic 1 and 2-point discrimination
- 2 separate 2-point discrimination octagons (D1 and D2) come in set
- Each octagon measures a different range of 8 labeled, fixed 2-point intervals ranging from 1 to 25 mm

D1



set includes 2 separate discrimination octagons



D2

12-1492 Discrim-A -Gon® set (2 discs) MD CE

Baseline® 2-point discriminators

- Evaluate cutaneous sensitivity and touch threshold
- Third point permits alternating between single and double point stimulation without changing setting
- Plastic points minimize influence of temperature
- Measures up to 4 cm

B plastic with third point

A 12-1480 2-point discriminator
B 12-1481 with third point

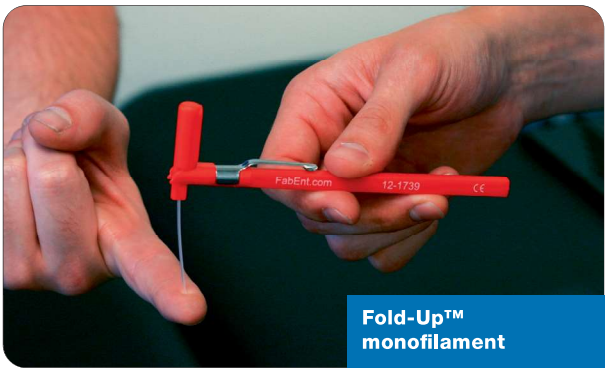
MD CE

Baseline, Hi-Res, Absolute+Axis Discrim-A-Gon and Disk-Criminator are trademarks of Goldberg.

Baseline® clinical monofilament sensory evaluators

Fold-Up™

- Same trusted product in color-coded sensation system
- Measure sensitivity, nerve damage or impairment, changes in neurological status
- Color code reference for recording results: green, normal; blue, diminished light touch; purple, diminished protective sensation; red, loss of protective sensation
- **Fold-Up™ Monofilaments:** top folds to protect monofilament without an additional case



Fold-Up™ monofilament

Baseline® Fold-Up™ monofilaments

Baseline® FOLD-UP monofilaments set

20-piece Fold-Up™ set complete

size	force		color
1.65	(0.008 gm)	1 ea	normal
2.36	(0.02 gm)	1 ea	
2.44	(0.04 gm)	1 ea	
2.83	(0.07 gm)	1 ea	
3.22	(0.16 gm)	1 ea	diminished light touch
3.61	(0.4 gm)	1 ea	
3.84	(0.6 gm)	1 ea	diminished protective sensation
4.08	(1.0 gm)	1 ea	
4.17	(1.4 gm)	1 ea	
4.31	(2.0 gm)	1 ea	
4.56	(4.0 gm)	1 ea	loss of protective sensation
4.74	(6.0 gm)	1 ea	
4.93	(8.0 gm)	1 ea	
5.07	(10.0 gm)	1 ea	
5.07	(10.0 gm)	100 ea	
5.18	(15.0 gm)	1 ea	
5.46	(26.0 gm)	1 ea	
5.88	(60.0 gm)	1 ea	
6.10	(100.0 gm)	1 ea	
6.45	(180.0 gm)	1 ea	
6.65	(300.0 gm)	1 ea	

Fold-Up™

5-piece, hand, 2.83, 3.61, 4.31, 4.56, 6.65	12-1740
6-piece, foot, 2.83, 3.61, 4.31, 4.56, 5.07, 6.65	12-1741
20-piece, complete	12-1743

MD CE

Baseline® FOLD-UP monofilaments sets

Baseline® disposable monofilaments

- Measure and detect skin sensitivity, nerve damage, and changes in neurological status
- Disposable 5.07 / 10 gm monofilaments

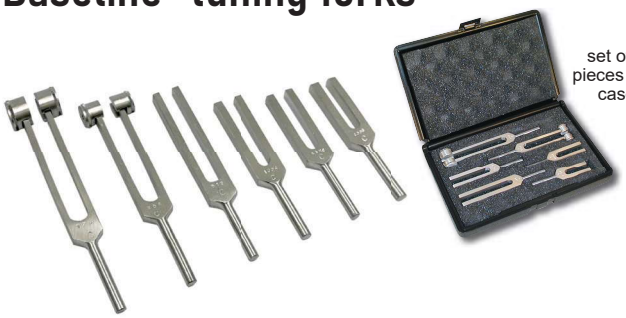
12-1670	LEAP	1 ea
12-1670-20	LEAP	20 ea
12-1670-40	LEAP	40 ea

MD CE

Baseline and Fold-Up are trademarks of Goldberg.
Baseline, Tactile and Fold-Up are trademarks of Goldberg.

BASELINE® EVALUATION INSTRUMENTS

Baseline® tuning forks



- Use to evaluate audio and vibratory sensation

tuning fork sets

set of six with case

128, 256, 512, 1024, 2048, 4096 cps 12-1460

weighted tuning forks	each
128 cps weighted	12-1466
256 cps weighted	12-1467
unweighted tuning forks	
512 cps	12-1468

MD CE

Pinwheel

- Test for nerve damage or nerve dysfunction
- Used by orthopedists, neurologists, chiropractors and other healthcare practitioners to test a patient's ability to feel sharp contact with the skin
- Consists of a rotating pinwheel attached to a handle

Baseline® Cleanwheel®

single use

12-1446 non-sterile Cleanwheel®

MD CE

Baseline® Bubble® inclinometer

- Place inclinometer near the joint to measure, turn dial until scale reads 0, take joint through its range, read range from dial
- Some measurements need the use of 2 inclinometers
- Standards codified in "AMA Guide to the Evaluation of Permanent Impairment, third edition"

12-1056 Bubble® inclinometer (each)

MD CE

Baseline® AcuAngle® inclinometers

- Place inclinometer near joint to be measured; turn dial to 0; take joint through its range; read ROM from dial
- **AcuAngle® Inclinometer** has adjustable feet along scale (side-to-side) that adapts to body contours; Pointer is dampened by fluid to assure accurate ROM measurements
- **AcuAngle® Wrist Inclinometer** measures ROM of the wrist along all axes

12-1149 AcuAngle® inclinometer (each)

12-0502 AcuAngle® wrist inclinometer

MD CE

Baseline® digital inclinometer

- Place inclinometer near the joint to be measured; press "zero" button; move joint through its range; press the "hold" button
- Read ROM directly after the joint has been taken through its range

12-1057 digital inclinometer

MD CE

Baseline Cleanwheel, Bubble, and AcuAngle are registered trademarks of Goldberg.

Baseline® scoliometer

- Measure the degree of rotation of a deformity of the back
- Small, non-invasive
- 19 cm (7½") L x 9 cm (3½")W
- Includes storage pouch

12-1099 scoliometer

MD CE

Baseline® economy skinfold caliper

with floating measurement tips

- Plastic skinfold caliper is the inexpensive choice for skinfold analysis
- Spring-loaded arm assures reproducible results
- Floating tips assure accurate and reproducible results
- 50 mm scale
- With booklet and tables

12-1112 1 each

MD CE

Baseline® skinfold calipers

- 2-sided lightweight aluminum caliper is easy to use and read for left- or right-handed people; includes calibration block
- Floating tips to assure accurate and reproducible results
- Large, easy-to-read 70 mm scale
- Includes protective carrying case
- Calibration block verifies at 5-50 mm
- Easily fits into your pocket

skinfold calipers

12-1130	deluxe (dual sided) with calibration block
12-1110	skinfold caliper (single sided) without calibration block

MD CE

double sided

2-sided deluxe skinfold calipers viewable on front and back

single sided

About the Baseline® brand

Baseline® measurement instruments have been used by orthopedists, therapists, FCE administers and professors since the 1980s. Many of you who have received therapy after an injury have probably had your progress tested throughout your rehabilitation with a Baseline® measurement instrument.

The product line includes instruments to measure strength, range-of-motion, sensory perception, body measurements and more.

Baseline is a registered trademark of Goldberg.