
Acumar Ruler Attachment



Horizontal

Accessory Ruler Attachment

The Digital Inclinometer may be attached to the ruler. Use for orthopedic, podiatric, chiropractic, x-ray film evaluations.

Installation

Remove the battery cover of the Main unit. Replace with the battery cover that comes with the Ruler attachment. It is held by a magnet to the ruler. Store the old battery cover. The Ruler attachment is snapped onto the Main unit in the Horizontal position. It is held by the magnet, and positioned by plastic index pins which fit snugly into the lower 2 screw holes on the back of the case and on both sides of the case, just above the feet. (See picture) Be certain the latch on the battery cover is snapped securely in place. Be certain that the Main unit is flat against the ruler.

Hint: It may be easier to insert the index pins into the lower screw holes first, and then let the magnet swing the ruler snug with the lower index pins against the top to the Main unit feet.

Vertical Ruler Orientation



Vertical

The measurement axis may be rotated 90°, electronically, to read angles with respect to the vertical axis.

The measurement axis may be rotated 90°, to read vertical as zero degrees by holding the Ruler close to vertical and pressing **ZERO** for about 5 seconds until the readout switches to the vertical angle, for example, **-70° goes to 20°**. Note: the Main unit remains mounted horizontal to the Ruler, the measurement axis is shifted electronically. In order to switch back to horizontal as gravity reference, press **START** twice to turn the unit off and back on.

Left or Right Side Ruler Mounting



Right and Left Side Ruler

Optional Ruler Attachment

The Main unit may be mounted both directions on the accessory attachment pattern for your convenience.

The Ruler may be attached either on the Right Side or Left Side by flipping the ruler 180° as shown in the illustration. This may be useful for taking readings on the opposite side of the body.

How to use ruler attachment for Extremity Measurements

The ruler attachment may be used to assist in measurements of the upper and lower extremities. It can be used as a place to hold the inclinometer and for alignment. The Inclinometer inherently reads angles with respect to gravity, so the orientation of inclinometer needs to be positioned to read angles respect to the gravity. The Inclinometer may be zeroed by pressing the **ZERO** button while the subject is in the neutral position

X-Ray Film reading

Place the X-Ray film on the lighted box mounted on the wall. Place the ruler in line of reference position and then press **ZERO** to initialize reference angle.

Then move the ruler to the second angle to be read and press **HOLD**. The difference angle will be stored and can be viewed by pressing **VIEW**.

ACUMAR
By



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