

Suitability of measuring device

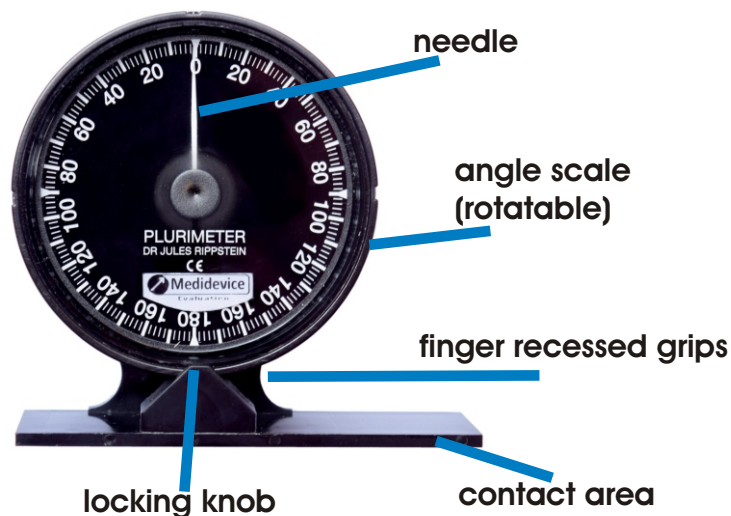
Plurimeter (Dr. Rippstein) is a liquid damped inclinometer. Device measures angle against centroidal axis G. It is suitable to measuring position and joint / spine movement.

Startup

No preparation necessary. Immediately ready for use. Using device please consider centroidal axis as well as placing device such that needle points vertical up.

Characteristics

Device has a 2 x 180° dial using pendulum principle.
Counterbalance of needle guarantees vertical up pointing. Dial is adjustable to 0°, 90°, 180°



Precaution:

To avoid damage please prevent device of force effect and dropping.

Notice:

Sporadic appearing small bubbles have no influence of measuring accuracy.

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Example

Instruction - Measuring head rotation in a supine position:

Proband's starting position:

Supine position - plain heading section. Use a small pillow when proband has a strong thoracic vertebra kyphosis to avoid head's bending down. Proband's nose faces upwards.

Handling:

Pick Plurimeter inbetween pointer and middle finger in recessed grips and place device at proband's forehead. Device has to be adjusted 180° and dial is vertical up



Execution

Ask proband to slowly rotate head rightwards without lifting opposite shoulder. Needle shows angle. Afterwards repeat procedure to the left.

To achieving high validity repeat test movement 3 x and document average value up to 5° accurately.

Documentation by "SFTR-Method" i.e. advanced Neutral Zero Method: **R: 60-0-70**

The test result shows mobility of rotation level 60° on the left and 70° on the right

Various application

Suitable for measuring spine attitude and spine movement as well as extremity joints.

Not suitable for measurements when opposite joint cannot be adjusted horizontal or vertical solidly, i.e. measuring hip joint abduction.

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