

R500 ROM Kit

The Biometrics **R500** ROM Kit provides precise electronic tools for:

- Upper and lower extremity range of motion measurements
- Fast and accurate data collection with progress reporting and computerized documentation



Speed and accuracy of data collection are greatly increased using the automated hand held goniometers – the goniometer is positioned on the joint and a press of the button enters the data in 1° increments. The small goniometer is used for the hand and toes; the large is for wrist, elbow, shoulder, hip, knee, and ankle.



The **R500** measures:

- Hand (fingers & thumb) – active & passive, extension & flexion, abduction & adduction, lateral deviations & rotational deformities, calculation of Total Active Motion and Total Passive Motion.
- Wrist – active & passive, extension & flexion, radial & ulnar deviation
- Forearm – active & passive, pronation & supination
- Elbow – active & passive, extension & flexion
- Shoulder – active & passive, extension & flexion, abduction & adduction, internal & external rotation
- Hip - active & passive, extension & flexion, abduction & adduction, internal & external rotation
- Knee - active & passive, extension & flexion, valgus & varus, internal & external malrotation
- Ankle - active & passive, dorsiflexion/plantarflexion, inversion/eversion
- Toes - active & passive, MTP flexion/extension, IP flexion of the Great Toe
- Documentation of ankylosis and arthrodesis for the above joints

Other ROM Measurement (entry of manually collected data)

- Tip to Palm
- Thumb Opposition
- Neck & Back

Progress can be reported over multiple sessions, in both graph and table forms.

