

Dualer IQ™

The Smarter Inclinometer™
by JTECH MEDICAL



Dual Inclinometry for Spine and Extremity Range of Motion

The new Dualer IQ Inclinometry System provides more features and functionality than any non-computerized inclinometer on the market. Dualer IQ makes spine and extremity range of motion measurements faster and easier.



Save Time

- ▶ Measure true range of motion plus movement at the upper and lower extremes of the spine segment with one inclinometer placement
- ▶ Measure agonist/antagonist movements, like flexion and extension, without stopping or repositioning
- ▶ Perform a complete spine ROM exam without pausing to write down results

Do More

- ▶ Measure spine ROM with dual and single inclinometry
- ▶ Measure extremity ROM using dual and single inclinometry
- ▶ Measure ROM using dynamic or static testing
- ▶ Measure lordosis, kyphosis and joint ankylosis

Greater Accuracy

- ▶ Automatically subtracts extraneous movement for true spine ROM measurements
- ▶ Eliminates goniometer alignment issues with extremity measurements
- ▶ Achieves accuracy and repeatability of +/- one degree

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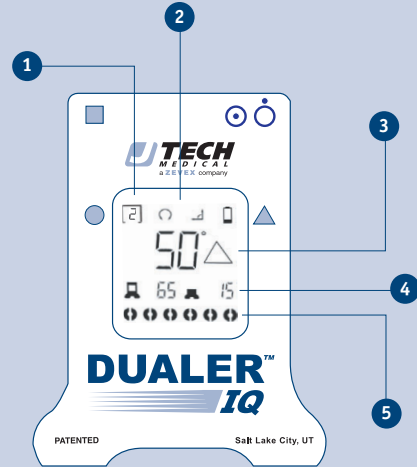
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1. Records data for up to 19 tests
2. Dynamic / static symbols
3. Automatically shows true range of motion
4. Simultaneously shows movement at upper and lower extremes in dual inclinometry mode
5. Records data for up to six repetitions

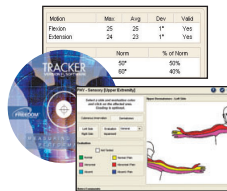


Technical Specifications

Display	Liquid Crystal
Sensor	Solid-state accelerometers
Operation	Dual or single inclinometry
Operation Modes	Dynamic and Static measurement
Data Displayed	Dual inclinometry: Total ROM, Primary value, Secondary value, test number, repetition, mode symbol Single inclinometry: ROM, test number, repetition, mode symbol
Data Storage	19 tests, 6 repetitions each
Data Capture	Dynamic automatic with change of direction, Static Start/Stop button
Control Buttons	Start/Stop, Scroll, Dynamic/Static
Accuracy	+/-1 degree
Repeatability	+/-1 degree
Operating Temperature	40 - 95 degrees F 10 - 40 degrees C
Storage Temperature	-40 to 158 degrees F
Dimensions	Primary: 3.6"L X 2.75" W X 1" D Secondary: 2.1"L X 2.75" W X 1"D
Weight	Primary: Approximately 152g Secondary: Approximately 94g
Rail Attachment	Magnetic
Housing	Machined aluminum
Power Source	AAA alkaline battery

Dualer IQ's Advanced Features

- ▶▶ Functions as a dual or single inclinometry system for both spine and extremity ROM measurements
- ▶▶ Automatically collects range of motion data when dynamically testing movement pairs
- ▶▶ Simplifies measurement of ankylosis, kyphosis and individual joint movements with unique static testing mode
- ▶▶ Use of solid state accelerometers eliminates internal moving parts to improve overall reliability of sensors
- ▶▶ Improved battery life with special "sleep" mode
- ▶▶ Upgrades without modification to Tracker Legacy computerized evaluation system



Tracker™ MDE Software

Optional Tracker™ MDE Software allows you to document findings, track progress and quickly print reports for all Commander products.

- ▶ Normative comparisons
- ▶ CV consistency calculations
- ▶ AMA validity for spine ROM tests
- ▶ Bilateral comparisons for muscle tests
- ▶ Document sensory dermatomes, orthopedic tests, deep tendon reflexes
- ▶ Score outcomes questionnaires
- ▶ Comprehensive intake section
- ▶ Optional AMA-licensed Impairment Module
- ▶ More

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