

CRITERION™ RD 1000

The 1st **ELECTRONIC**
relascope / dendrometer
to accurately measure
diameters of trees and more!



NEW - Laser Technology, Inc. introduces the Criterion™ RD 1000, the first patented electronic relascope/dendrometer that accurately measures tree diameters and more! Utilizing the integrated tilt sensor you can collect diameter data at any point up the stem and also find the height at which a specific diameter is reached. The Basal Area Factor (BAF) routine will show "In and Out" trees for a wide range of sampling factors.



"Borderline" trees are easily resolved by transmitting a distance from an LTI rangefinder into the RD 1000's input serial port or manually entering a distance via the keypad.

Are rough terrain and thick brush slowing you down? Eliminate positioning restrictions and obtain a direct read out of the diameter from any distance! The in-scope LED display offers variable brightness levels, making it easy to read under *all* lighting conditions.

Specifications:

- Dimensions: 2.75" x 2" x 6.5" (7cm x 5cm x 16.5 cm)
- Weight: 1.1 lbs. (500 g)
- Data Communication: Serial RS232 input/output
- Power: 3.0 volts DC nominal; (2) AA or (1) CRV3
- Environmental: Water & Dust resistant, NEMA 3, IP 64
- Temperature: -22°F to +140°F (-30°C to +60°C)
- Optics: Normal 1X; Magnified 2.4X
- Displays: External LCD and Internal LED
- Units: Imperial and Metric
- Monopod/tripod mount (1/4" - 20)

Measurement Range:

- Diameter: 2" to 100" (5cm to 254 cm)
- Basal Area Factor: 1 to 127 Ft²/Acre
(0.2 to 39.0 M²/Hectare)
- Inclination: +/- 90 degrees

Accuracy:

- Diameter: 1/4" (6mm) up to 80' (24m) away
- Inclination: +/- 0.1° typical

Operating Modes:

- SYSTEM - Sets operating parameters
- BAF - Shows "In" or "Out" trees on a plot
(automatically slope corrected)
- IN / OUT - Determines if a "questionable" or
"borderline" tree will be sampled
- DIAMETER - Measures the diameter and associated
height at any point on the stem
- HT/DIAM - Calculates the height at which a specific
diameter is reached