



Spiegel Relaskop®

1379

The Precision Mechanical Tool of Professional Foresters

Used in variable plot and Three P sampling. American Scale reads in English units (sq. ft./acre, inches, feet). Use where trees are smaller than 96" dbh on level or steep terrain. Metric Scale reads in metric units (sq. m/hectare, centimeters, meters). Excellent for a variety of forest conditions and tree sizes. Wide Scale is designed for metric measurements (diameter measurements convert to inches or centimeters). Recommended for trees larger than 244 cm (96") dbh. Works on level or sloping terrain. CP Scale is ideal when metric or English measurements are desired (basal area in sq. m/hectare only). An optional Accessory Light illuminates scale in the dark. Leather case and illustrated booklet included.

American Scale Relaskop	E	1.25 lbs.	43850	\$1495.00
Metric Scale Relaskop	M	1.25 lbs.	43860	\$1795.00
Wide Scale Relaskop	M	1.25 lbs.	43865	\$1795.00
CP Scale Relaskop	C	1.25 lbs.	43870	\$1795.00
Replacement Leather Case		5 oz.	43869	\$14.25

Relaskop Accessories

Relaskop Light

Slips onto front of Relaskop housing and illuminates scale through front window. Uses one AA battery (included).

Relaskop Light	8 oz.	43909	\$165.00
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54" Jacob Staff

(Relaskop requires 43866)

54" Jacob Staff	3.5 lbs.	37380	\$48.00
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Ball Joint Adapter

For attaching Relaskop to Jacob Staff

Ball Joint Adapter	6 oz.	43866	\$143.85
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Replacement Windows

Clear	1 oz.	43874	\$13.95
Frosted	1 oz.	43875	\$13.95



- A** Viewfinder
- B** Tilttable sun shade
- C** Wide angle exit window
- D** Windows for admitting light to illuminate interior scales
- E** Rugged cast aluminum housing
- F** Pendulum brake on/off button
- G** Threaded socket for attachment to Jacob staff or tripod



American Scale



Metric Scale

Spiegel Relaskop Specifications

Measurement	English	Metric	Wide Scale	CP
Basal Area*	SF/acre 5, 10, 20, 40 BAF	m ² /hectare 1, 2, 4 BAF	m ² /hectare 1, 4, 9, 16, 25, 36, 49, 64, 81, 100, 121, 144 BAF	m ² /hectare 1, 2, 3, 4, 9, 16, 25, 49, 64, 81 BAF
Tree Diameter*	In.: to 36" @ 33' baseline 72" @ 66' 108" @ 99' 144" @ 132'	cm: to 60cm @ 15m baseline 80cm @ 20m 100cm @ 25m 120cm @ 30m	Relaskop Units: Convertible to cm or inches§	Relaskop Units: Convertible to cm or inches§
Tree Height	Ft.: to +180' w/ topo scale to any height in feet or meters w/ % scale (For sloping ground, scale reads -120' to +180')	m: to +55m w/ 20m scale +70m w/ 25m scale +80m w/30m scale**	m: to +30m w/ both 18m and 20m scales (For sloping ground, both 18 and 20m scales read -27 to +30m)	%: -170 to +270 of horizontal baseline distance in any unit of measure
Vertical Angles	%: -170 to +270 Deg.: -60 to +70	Metric Units: Convertible to % (-180% to +280%) or Degree (-60° to +70°)	%: -170 to +270 Deg.: -60 to +70	%: -170 to +270 Deg.: -60 to +70
Slope	%: -170 to +270	Metric Units: Convertible to % (-180% to +280%)	%: -170 to +270	%: -170 to +270
Range (Distance)	Ft.: 33' to 132' in multiples of 33'. Optional prism rangefinder and target available. See ordering info.	m: 15m to 30m in multiples of 5m. Optional prism rangefinder and target available. See ordering information.	Ft./m: Using optional prism rangefinder and target. See ordering information.	Ft./m: Using optional prism rangefinder and target. See ordering information.
66' Slope Correction	Ft.: 66' to 93' in 1' increments†	—	—	—
Corr. Pct.	—	—	—	-50% to +50%
Girard Form	Yes	—	Yes	Yes
Form Height	—	Yes	—	Yes

* All readings automatically slope-corrected.

† To find 66' horizontal baseline, sight on tree at "eye level," read scale, measure that distance from tree in that direction.

** For sloping ground, 20m scale reads -35m to +55m, 25m scale reads -45m to +70m, 30m scale reads -52m to +80m.

§ On Wide Scale and CP Scale models, each Relaskop Unit band (RU) equals a diameter which is 2% of the horizontal baseline distance (e.g., at 18m baseline, each RU = 2% of 18m = 36 cm. A tree measuring 5 RU's = 5 x 36 cm = 180 cm.).

- E** English
- M** Metric
- C** Combination English and Metric



Leather Case Included



Relaskop Repairs

Forestry Suppliers, Inc. can repair or replace any part of your Relaskop (except cracked housings) and can calibrate your Relaskop to ensure precise, accurate readings.

Current minimum charge for repair work is \$79.00, which covers replacement of any broken windows or other minor parts, complete cleaning of internal working parts and calibration of the instrument. If other repairs are necessary, we will provide an estimate of additional charges. All Relaskop parts and workmanship are guaranteed for 90 days.