



BRUNTON

The Gold Standard since 1894

2024 PRODUCT GUIDE

GEOLOGY

The geological industry that gave birth to Brunton is still at the core of our brand and product range. Geologists around the world rely on our transits as an essential part of their field kit.



Pocket Transits

Globally preferred by field professionals, who need the highest level of precision and durability.

| |  |  |  |  |  |  |  |
|-------------------------|---|--|---|---|---|---|--|
| |  |  |  |  |  |  |  |
| Product Name | Axis Transit | Geo Transit | Standard Transit | ComPro Transit | Miners D-Light Transit | Tactical Transit | GeoLite Transit |
| Models | E F-5012 (0-360°) F-5011 (0-90° Quad) | E F-5010 (0-360°) F-5009 (0-90° Quad) | E F-5020 (0-360°) F-5021 (0-90° Quad) SILVER (default) - Additional Colors ORANGE - OR BLUE - BL GOLD - GD | F-5008 (0-360°) F-5007 (0-90° Quad) | F-5040 (0-360°) F-5041 (0-90° Quad) | F-6050 (0-360°) F-6060 (0-6400, mils) | F-5030-N F-5030-E F-5030-S |
| Description | A twist on the traditional transit. The Axis can take simultaneous measurements of strike & dip, trend & plunge, dip & dip direction, or bearing & angle, making data collection faster and easier than ever. | A universal mapping tool that combines traditional methods with some simultaneous measurement capabilities. | The best features of our traditional transits, upgraded into this CNC milled body with a flat base for low-angle measurements. Multiple color options for enhanced visibility in the field. | An ultralight mapping tool for those looking to save weight in the field, with the same internal components and measurement methods as our CNC milled transits. | The classic ComPro transit, illuminated for low light conditions such as mines or caves. Battery-operated EL panels stay illuminated for 60 seconds with each push of the button. | The tactical transit used by the U.S. Military. Built with a green composite body and the same internal components as other Brunton transits. | Geology-specific baseplate compass for students and field geologists who prefer a lightweight option or need an effective backup compass for backcountry work. |
| Measurements | Strike & Dip Dip & Dip Direction - Simultaneous: Strike & Dip Trend & Plunge Dip & Dip Direction (adjust ring) Bearing & Angle | Strike & Dip Dip & Dip Direction - Simultaneous: Dip & Dip Direction Trend & Plunge (limited) | Strike & Dip | Strike & Dip | Strike & Dip | Strike & Dip | Strike & Dip Dip & Dip Direction - Simultaneous: Dip & Dip Direction |
| Dimensions (closed) | 3.9 x 2.8 x 1.1 in 9.9 x 7.1 x 2.9 cm | 3.7 x 2.8 x 1.3 in 9.4 x 7.1 x 3.4 cm | 3.2 x 2.8 x 1.3 in 8.0 x 7.1 x 3.4 cm | 3.1 x 2.7 x 1.4 in 8.0 x 7.0 x 3.4 cm | 3.1 x 2.7 x 1.4 in 8.0 x 7.0 x 3.4 cm | 3.1 x 2.7 x 1.4 in 8.0 x 7.0 x 3.4 cm | 4 x 2.5 x 0.7 in 10.2 x 6.4 x 1.8 cm |
| Weight | 12 oz 340 g | 10.4 oz 293 g | 7.0 oz 197 g | 5.8 oz 165 g | 5.15 oz 146 g | 5.8 oz 165 g | 2.9 oz 83 g |
| Azimuth | +/- 1/2° w/ 1° graduations | +/- 1/2° w/ 1° graduations | +/- 1/2° w/ 1° graduations | +/- 1/2° w/ 1° graduations | +/- 1/2° w/ 1° graduations | +/- 1/2° w/ 1° graduations | +/- 1° w/ 2° graduations |
| Declination Adjustment | +/- 180° | +/- 180° | +/- 180° | +/- 180° | +/- 180° | +/- 180° | +/- 180° |
| Hinge Clinometer | +/- 1° w/ 2° graduations | +/- 1° w/ 2° graduations | | | | | +/- 2 1/2° w/ 5° graduations |
| Protractor | (on-lid) +/- 1/2° w/ 1° graduations | | | | | | on-baseplate w/ 2° graduations |
| Internal Clinometer | Gravity-controlled, 360° of 1° graduations for +/- 1/2° accuracy | Lever-controlled, 180° of 1° graduations for +/- 1/2° accuracy | | | | | +/- 2 1/2° w/ 5° graduations |
| Percent Grade | | 5% graduations | 5% graduations | 5% graduations | 5% graduations | 5% graduations | |
| Body | CNC milled aluminum w/ hard-anodized finish | | | | Lightweight composite | | Acrylic baseplate w/ glass-filled PA lid |
| Leather Case Included | • | • | • | • | • | • | |
| Needle Magnet | NdFeB disc | NdFeB disc | NdFeB disc | NdFeB disc | NdFeB disc | NdFeB disc | EverNorth |
| Induction Dampened | • | • | • | • | • | • | Liquid Dampened |
| Sapphire Jewel Bearing | • | • | • | • | • | • | • |
| Custom Needle Balancing | • | • | • | • | • | • | N, Eq, or S needles |
| Needle Lock | Adjustable - default is locked when released | | Non-adjustable, locked when needle button is pressed | | | | |
| Sighting Capabilities | Hollow hinge sighting tube | | Mirror w/ window on inside of lid | | | | |
| Short and Long Sights | | • | • | • | • | • | |
| Side Vial Levels | • | • | | | | | |
| Flat Bottom | • | • | w/ non-slip silicon foot | | | | • |
| Water Resistant | • | • | • | • | • | • | • |
| Hinge/Lid Range | 360° around 2 axes | 220° | 180° | 180° | 180° | 180° | 180° |
| Bottle Opener! | • | | • | | | | |
| Tripod Compatibility | Built-in slots for Brunton ball and socket transit mount to use with tripod or monopod/Jacob's Staff | | | | | | |



Backcountry explorers and outdoor enthusiasts depend on navigational tools as a matter of safety. They need professional-grade reliability combined with ease of use. We strive to equip and educate the entire spectrum of outdoor adventurers to safely navigate and explore the outdoors.

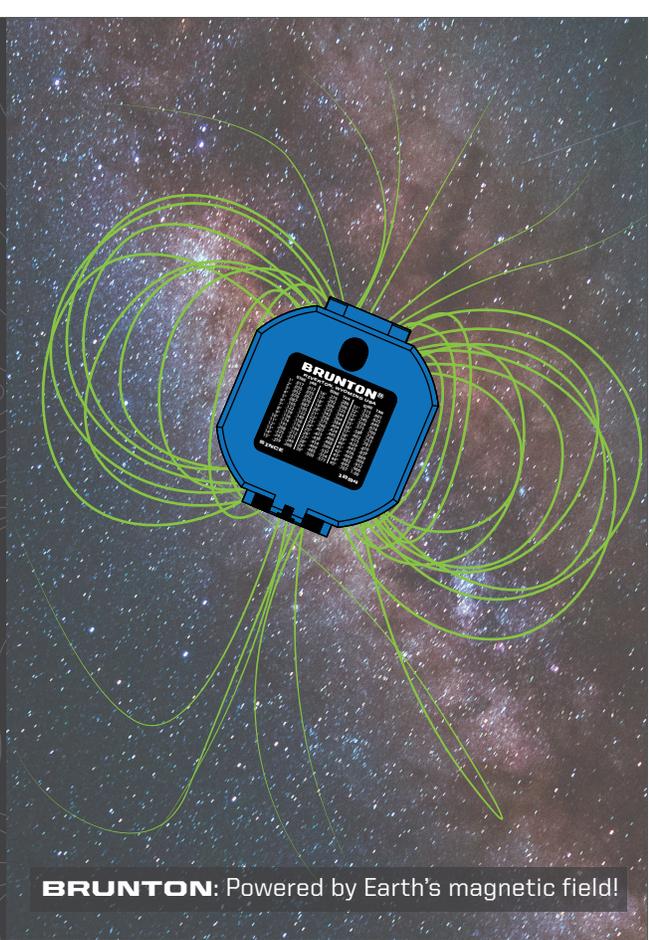


| Recreational Compasses Number 1 of the 10 Essentials: a map & compass, and knowing how to use them. |   |   |   |   |   |   |   |
|---|--|--|--|---|--|---|--|
| Product Name | TruArc 20 | TruArc 15 | TruArc 10 | TruArc 5 | TruArc 3 | 8010 | Instructor Kits |
| Models GLOW = phosphorescent P = Custom Pad-Printable | P F-TRUARC20 F-TRUARC20-GLOW | P F-TRUARC15 F-TRUARC15-GLOW | F-TRUARC10 F-TRUARC10-GLOW | P F-TRUARC5 | P F-TRUARC3 | F-8010-GLOW | P F-8900C-12 F-8900C-24 |
| Description | Our most advanced baseplate compass with sighting mirror, quick-reference lid, and protective rubber foot that stores reference cards with an array of scales. | This mirrored baseplate compass offers professional features ideal for advanced navigation, snow-safety, search and rescue, or scientific field work. | Explorers can depend on this high precision, mirrorless compass. A full set of navigation features and Romer scales offer seamless GPS integration. | This compass makes intensive map work a cinch with a map magnifier to ensure you see every detail. Large baseplate is ideal for accurate triangulation. | Our best-selling baseplate compass. Classic, simple, and reliable, this compass is an essential tool on any trail. | A traditional scouting compass that works 24-7! Luminous readout enables navigation any time while a larger baseplate is perfect for trip planning and classic route-finding. | Teach vital map and compass skills with our kits. Includes: -12 or 24 TruArc 3 Compasses - Instructor Carrying Case - Field Guide - Student Workbook - Instructor Study Guide - Large Instructor's Model |
| Dimensions | 4.2 x 2.7 x 0.95 in 10.7 x 6.9 x 2.4 cm | 4 x 2.5 x 0.7 in 10.2 x 6.4 x 1.8 cm | 5.1 x 2.8 x 0.5 in 13.0 x 7.1 x 1.3 cm | 4.3 x 2.9 x 0.6 in 10.9 x 7.4 x 1.5 cm | 3.5 x 2.5 x 0.6 in 8.9 x 6.4 x 1.4 cm | 4.1 x 2.4 x 0.6 in 10.4 x 6.1 x 1.5cm | 11.1 x 10.9 x 2.8 in 28.2 x 27.7 x 7.1 cm |
| Weight | 3.6 oz 101 g | 2.4 oz 68 g | 1.7 oz 48 g | 1.6 oz 45 g | 1.1 oz 32 g | 1.3 oz 36 g | 31 oz 875 g 44 oz 1256 g |
| Azimuth resolution | 1° | 1° | 1° | 2° | 2° | 2° for 0-360° | 2° |
| Global Needle | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| Tool-Free Declination | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| Map Meridian Lines | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> on baseplate | <input checked="" type="checkbox"/> |
| Inch/MM Scales | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> REVERSIBLE | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| Luminous Option | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Magnified Readout | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Reciprocal Azimuth Ring | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Sighting Mirror | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Clinometer | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Bubble Level | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Map Magnifier | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Quick-Reference Lid | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Cover & Rubber Foot | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| GPS Confidence Circles | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Ergonomic Baseplate | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Romer (UTM) Scales | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |



No Batteries Required.

Whether you're navigating deep in the backcountry or taking measurements all day in the front-country, a dead battery is bad news. Dependence on digital devices can leave you lost in the woods or with lost data. That's why Brunton is committed to traditional tools that are powered by Earth's magnetic field. They'll keep you on track all day, wherever you roam ...even in the dead zones!



BRUNTON: Powered by Earth's magnetic field!



The last thing you want to see in the field...

| | | | | | |
|---|---|---|---|--|---|
|  | <p>Vintage Pocket Compass</p> <p>E F-1894DWB</p> <p>Modeled after an original D.W. Brunton design, this compass pays tribute to over a century of innovation.</p> <p>2.7 x 2 x 0.7 in 6.7 x 5.1 x 1.7 cm</p> <p>2.2 oz 61 g</p> |  | <p>Teton Topo Pocket Compass</p> <p>E F-5031</p> <p>An updated classic, with a black anodized finish and a topographic map of the Grand Teton in Wyoming.</p> <p>2 x 2 x 0.7 in 5.1 x 5.1 x 1.7 cm</p> <p>2.1 oz 59 g</p> |  | <p>9077 Lensatic</p> <p>F-9077</p> <p>A classic military-style sighting compass with luminescent reference points.</p> <p>2.9 x 2.2 x 1.0 in 7.4 x 5.6 x 2.5 cm</p> <p>3 oz 86 g</p> |
|---|---|---|---|--|---|

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| <p>ECCompasses</p> <p>The world's only recycled compass line, reusing manufacturing waste and other plastics!</p> |  |  |
| <p>Product Name</p> | <p>8010 ECOcompass</p> | <p>Tag-Along 9045 Chill ECOcompass</p> |
| <p>Models P = Custom Pad-Printable</p> | <p>F-8010-ECO</p> | <p>F-9045-ECO (Fahrenheit, °F) F-9045-ECO-K (Celsius, °C)</p> |
| <p>Description</p> | <p>Traditional scouting compass made from recycled and reclaimed acrylic.</p> | <p>A small compass and thermometer to bring with you anywhere.</p> |
| <p>Dimensions</p> | <p>4.1 x 2.4 x 0.6 in 10.4 x 6.1 x 1.5 cm</p> | <p>2.5 x 1.8 x 0.4 in 6.4 x 4.6 x 1.0 cm</p> |
| <p>Weight</p> | <p>1.3 oz 36 g</p> | <p>0.6 oz 16 g</p> |
| <p>Resolution</p> | <p>2° for 0-360°</p> | <p>5°</p> |
| <p>8010 Feature Set</p> | <ul style="list-style-type: none"> • | |
| <p>Recycled/Reclaimed Acrylic Baseplate</p> | <ul style="list-style-type: none"> • | <ul style="list-style-type: none"> • |
| <p>Recycled RPET Strap</p> | <ul style="list-style-type: none"> • | <ul style="list-style-type: none"> • |

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| <p>Tag-Along</p> <p>These compact compasses can attach to packs, jackets, or keys so they are always with you!</p> |  |  |  |
| <p>Product Name</p> | <p>Tag-Along 9045 Chill Compass</p> | <p>Tag-Along 9041 Glow Compass</p> | <p>Tag-Along 9040 Compass</p> |
| <p>Models P = Custom Pad-Printable</p> | <p>F-9045-OR (°F) F-9045K-OR (°C)</p> | <p>F-9041-OR</p> | <p>F-9040-OR</p> |
| <p>Description</p> | <p>A small compass and thermometer all-in-one.</p> | <p>Navigate even in the dark, with this compass that can attach to almost anything.</p> | <p>Navigation is always on-hand when you hitch this compass to zippers, webbing or keys.</p> |
| <p>Dimensions</p> | <p>2.5 x 1.8 x 0.4 in 6.4 x 4.6 x 1.0 cm</p> | <p>2 x 1.7 x 0.4 in 5 x 4.3 x 1.0 cm</p> | <p>2 x 1.7 x 0.4 in 5 x 4.3 x 1.0 cm</p> |
| <p>Weight</p> | <p>0.6 oz 16 g</p> | <p>0.6 oz 18 g</p> | <p>0.6 oz 18 g</p> |
| <p>Resolution</p> | <p>5°</p> | <p>5°</p> | <p>5°</p> |
| <p>Thermometer</p> | <p>Celsius or Fahrenheit</p> | | |



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|---|---|
|  | Quick Reference Card Set |
|  | F-QRCARDS |
| | Navigation and general tips and tricks card set for when you plan to navigate in the backcountry. |
| | 3.6 x 2.5 x 0.04 in 9.1 x 6.4 x 0.1 cm |
| | 0.5 oz 13.6 g |

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|  | Grain Size Card |
|  | F-GRAINCARD |
| | An essential field geology reference tool for the visual classification of sediments by size, shape, and concentration. |
| | 3.6 x 2.5 x 0.04 in 9.1 x 6.4 x 0.1 cm |
| | 0.2 oz 5.9 g |

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|  | Map Multi-Tool |
|  | F-MAPTOOL |
| | An all-in-one tool that includes standard and metric rulers, Romer grids for common map scales, and a unique protractor for measuring and plotting angles. |
| | 6.0 x 3.5 x 0.04 in 15.2 x 7.6 x 0.7 cm |
| | 0.4 oz 10.4 g |

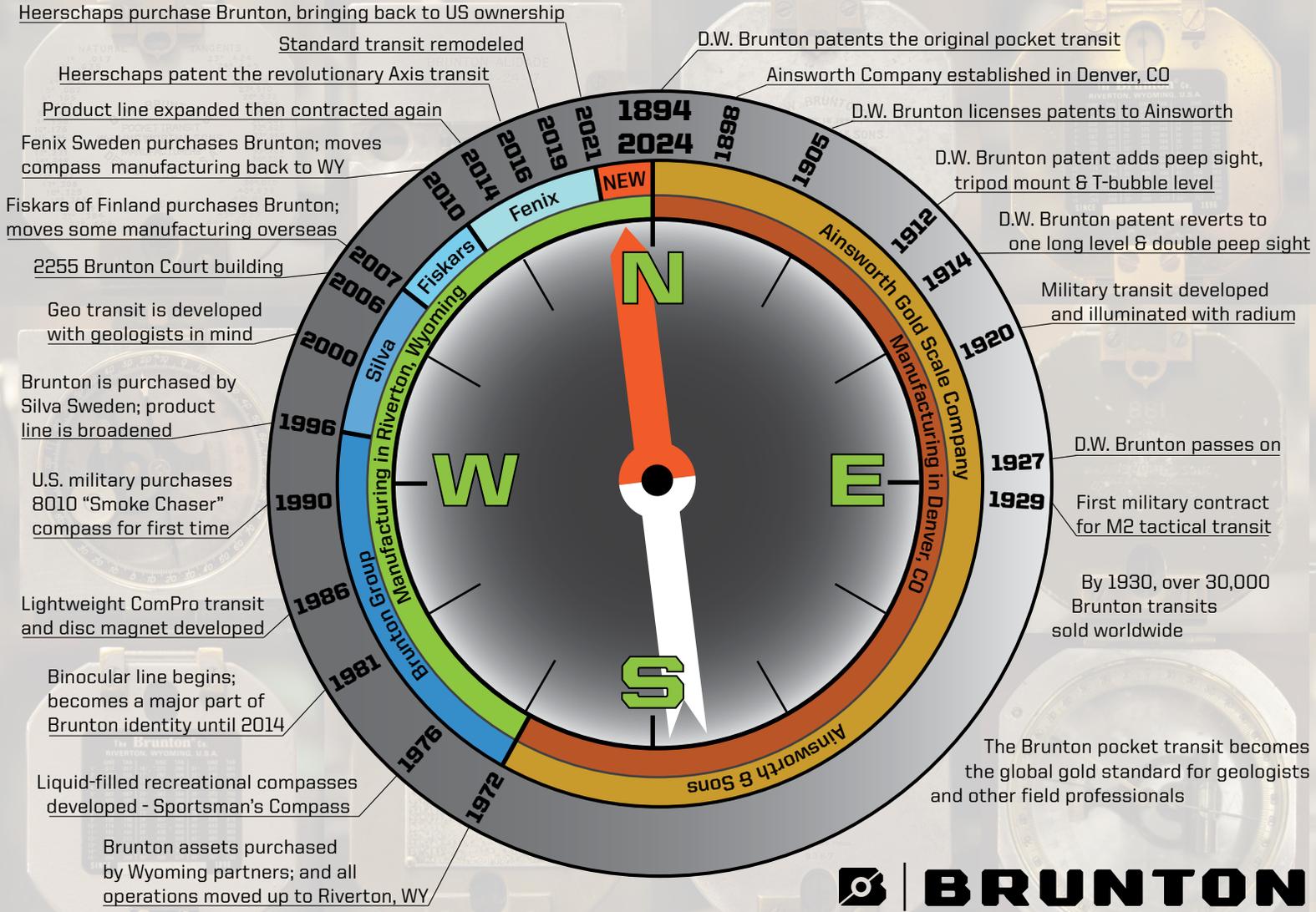
| | | | | |
|---|---|---|---|---|
| Sighting Tools |  |  |  |  |
| Durable, sight-through compasses and clinometers with LED options for low-light conditions. | | | | |
| Product Name | | OmniSight | | OmniSlope |
| Models | | Magnetic North F-OMNISIGHT-MN* - Magnetic Equator F-OMNISIGHT-ME* - Magnetic South F-OMNISIGHT-MS* <small>*all models also available as -LED</small> | | F-OMNISLOPE F-OMNISLOPE-LED |
| Description | | A sighting compass that allows accurate simultaneous forward and reciprocal bearing measurements using four different scales. | | A compact and sturdy sighting inclinometer that allows for quick and accurate vertical angle measurements using three different scales. |
| Measurements | | MILS Quadrant Reciprocal azimuth Azimuth | | Slope (degrees) Forestry chain (feet) Percent grade (%) |
| Dimensions | | 3.7 x 2.5 x 0.85 in 9.4 x 6.2 x 2.2 cm | | 3.7 x 2.5 x 0.85 in 9.4 x 6.2 x 2.2 cm |
| Weight | | 4.8 oz 136 g | | 4.8 oz 136 g |
| Graduations | | 1" resolution | | 1" resolution |
| Declination Adjustment | | 180° range | | 180° range |

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| Monoculars |  |  |  |
| Portable pocket optics for enhanced views anywhere you go. | | | |
| Product Name | Echo Zoom Monocular | Lite Tech Monocular | Echo Pocket Monocular |
| Models | F-ECHOZOOM | F-LT822 | F-ECHO7018 F-ECHO7018-OR F-ECHO7018-BL F-ECHO7108-GR |
| Description | Compact monocular with BaK-4 prism glass with 7-21x zoom ensures a sharp image. | Lightweight yet powerful, this monocular excels in close quarters within 10 feet. | High performance with bright, sharp images as close as 13 inches. |
| Dimensions | 4 x 1.4 x 1.4 in 10.2 x 3.6 x 3.6 cm | 3.5 x 1.3 x 1.3 in 8.9 x 3.1 x 3.1 cm | 3.2 x 1.3 x 1.3 in 8.1 x 3.1 x 3.1 cm |
| Weight | 2.7 oz 77 g | 2.4 oz 68 g | 1.6 oz 45.4 g |
| Power | 7-21 x 21 | 8 x 22 | 7 x 18 |
| Eye Relief/Exit Pupil | 12 mm / 2.4 mm-1.8 mm | 12 mm / 2.4 mm | 12 mm / 2.6 mm |

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| Professional Accessories |  |  |  |  |  |  |  |  |
| Adding stability, functionality, and protection for Brunton products in the field. | | | | | | | | |
| Product Name | Jacob's Staff | Non-Magnetic Tripod | Ball & Socket Transit Mount | Jacob's Staff Thimble | Non-Magnetic Mapboard | Branded Geology Field Book | Leather Transit and Omni Cases | Weather-Resistant Transit Case |
| Models <small>P = Custom Pad Printable</small> | F-4090 | F-3051 | F-3040 | F-3060 | F-MAPBOARD-GR F-MAPBOARD-OR F-MAPBOARD-BL | F-FIELDBOOK F-FIELDBOOK-6PK | F-AXISCASE (Axis) F-GEOCASE (Geo) F-TRANCASE (Stan. & ComPro) F-OMNICASE (OmniProducts) | F-3000WR* <small>*fits Standard & ComPro only</small> |
| Description | Collapsible, lightweight Jacob's Staff with 25cm markings and indicators for 1.5m extension, compatible with the OmniSlope or Ball & Socket Mount for transits. | This non-magnetic tripod ensures the ultimate level of accuracy through stability. | Affix your transit to a tripod for stable, hands-free sighting or to a monopod enhanced accuracy. | Combine this press-fit thimble with the Ball & Socket Transit Mount and convert any pole into a Jacob's staff. | Non-magnetic flat build won't interfere with compass measurements. Includes transparent pouch for storing mapping supplies. | Rite in the Rain® Geology Field Notebook (no. 540F) with Brunton logo and centimeter scale for additional functionality in the field. | All Brunton Transits and Omni products come with a leather case, but they might not last as long as your transit! Extras are available. | A lightweight plastic case that offers extra protection against rain and moisture. Built-in belt loop with optional webbing clip. |
| Dimensions | 27.5 x 1.9 x 1.9 in 70 x 4.8 x 4.8 cm <small>(open: 62.5 in 159 cm)</small> | 19.5 x 1.5 x 1.8 in 49.5 x 4.6 x 4.6 cm <small>(open: 49 in 125 cm)</small> | 3.4 x 2.5 x 0.9 in 8.6 x 6.4 x 2.3 cm | 1.5 x 1 in 3.8 x 2.5 cm | 14 x 11 x 0.4 in 35.6 x 27.9 x 1.0 cm <small>(open: 22 in 56 cm)</small> | 7.6 x 4.8 x 0.6 in 19.2 x 12.2 x 1.6 cm | 4 x 4 x 2 in 10 x 10 x 5 cm 4 x 4.75 x 2 in 10 x 12 x 5 cm | 3.4 x 3.3 x 2.1 in 8.6 x 8.4 x 5.3 cm |
| Weight | 9.9 oz 281 g | 25 oz 708 g | 4.6 oz 132 g | 0.8 oz 22.7 g | 20.4 oz 577 g | 9.6 oz 272 g | 2.4 oz 68 g 3 oz 85 g | 2.9 oz 81 g |
| Non-magnetic | • | • | • | • | • | • | • | • |

1894 - 2024

Celebrating 130 Years of Innovation



BRUNTON
BUILT IN WYOMING | SOLD WORLDWIDE



In November 2021, Brunton's ownership and leadership were brought back home to Riverton, Wyoming, where the brand's manufacturing has existed for 50 years. For the first time since its founding in 1894, Brunton is a woman-owned, geologist-owned, family-owned business. We design, build, sell, and warehouse nearly all of our products under one roof. Brunton is back to our roots as a navigation-focused company. By making the world's most reliable compasses, transits, and exploration tools, we inspire, educate, and support professional and outdoor field pursuits.