

The Ultimate Navigational Tool with Optics Plus Data!

Digital Compass

Great 0.5° accuracy. Stores 9 bearings in memory. Displays True or Magnetic North. Calculates change between bearings.



Rangefinder

Uses known heights and relative size to determine range. Match the bar segments to the size of the object and the distance is instantly displayed!



Chronometer

Quartz crystal clock displays time of day and stores the time at which each bearing is taken. Computes time difference between consecutive bearings.



Photo: Daniel Forster

DataScope integrates state-of-the-art electronics with precision optics.

Look through the monocular to see how we've combined a highly accurate digital compass, our patented electronic rangefinder and a digital quartz crystal chronometer to create the ultimate navigational tool. All data is superimposed in the scope's field of view so you never need to take your eyes off of your target. Just locate a target through the crosshair and push a button to accurately determine up to 9 bearings, calculate the range to the target, and record the time of each bearing to the nearest second. Practical Sailor,[®] a leading marine magazine, rates the DataScope, "Quite simply, the best handbearing compass we have ever seen."

DataScope is so versatile it is used widely throughout the marine, outdoor, military, sporting, and commercial worlds.

DataScope's one-handed design is waterproof and small enough to fit into a shirt pocket, making it ideal for a myriad of applications. Boaters and sailors find the DataScope invaluable for locating waypoints and buoys, for collision avoidance, and for taking fixes. Racing sailors use it to track their performance against the competition, for locating marks and buoys, and for determining the range to the mark. Divers use it to locate and relocate their favorite sites. Hikers navigate to their destination, and celestial navigators rely upon the DataScope's simultaneous time/bearing memories.

KVH DataScope[®]

KVH® DataScope® Digital Compass/Electronic Rangefinder/Chronometer

5x30 roof prism monocular uses the highest quality optics and permanent focus design. Fully coated lenses for great resolution and brightness.

Guaranteed totally waterproof with rubber buttons and grips for slip-free hold, even when wet.

Monocular has a built-in rubber eyecup for comfort, folds down for use with glasses.



Compact, one-handed design is more stable, versatile and practical than binoculars.

Illuminated for night viewing using fiber optic lighting.



Internally gimballed through $\pm 20^\circ$ so you don't have to hold it perfectly level and steady for 0.5° accuracy.

Technical Specifications

Monocular Specifications

Monocular Type: Roof Prism
Magnification: 5X
Objective Lens: 30 mm
Fully Coated Optics: Yes
Fogproof: Yes (gas filled, hermetically sealed)
Focus: Permanent (adjustable for vision)
Field of View: 9° (156 m. at 1000 m. (472 ft. at 1000 yds.))
Exit Pupil: 6 mm
Reticle: Electronic

Compass Specifications

Compass Type: Digital Fluxgate
Gimballing: $\pm 20^\circ$
Accuracy: $\pm 0.5^\circ$
Resolution: 0.1°
Calibration: Automatic
True North Display: Yes (user enters variation)
Bearing Display: 3 modes: instantaneous/average/continuous
Bearing Memories: 9
Change in Bearing: Calculated automatically
Units: Degree or mils (user selectable)

Rangefinder Specifications

Rangefinder Type: Electronic Ratiometric Rangefinder (patented)
Scale: 32 step electronic analog scale
Units: User determined (metric, English, or any other)

Chronometer Specifications

Clock Type: Quartz crystal real-time clock
Time Readout: 12 or 24 Hour (user-selectable)
Time Memories: 9 recorded in conjunction with bearings
Changes in Time: Calculated automatically between bearings

General Specifications

Dimensions: 11.4 cm (l) x 4.3 cm (w) x 6.1 cm (h)
(4.5" x 1.7" x 2.4")
Weight: 327 grams (11.5 ounces)
Environment: Totally waterproof, fogproof, shock resistant
Temp. Range: Operating/Storage: -20°C to 70°C
Power: 3-Duracell DL2025 3V lithium batteries (or equivalent)
Power Consump.: *Sleep Mode:* 0.02 mA
Display Mode: 0.7 mA
Battery Life: 6 months to 1 year (depending on usage)
Low Battery: Automatic Indicator
Warranty: 1-year Warranty/3-year Buyer Protection Plan

Meets FCC and CE requirements

Protected by the following U.S. Patents:
4,720,804/4,777,352/4,965,439/5,020,902/Des 325,041



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