

## Construction

BRUNTON Clino Master height meters/clinometers are extremely accurate and easy to use.

The accuracy of the instrument itself is better than  $0,25^{\circ}$  (0,45 %). The accuracy of measuring the height of the target depends, however, also on the accuracy in the distance measuring, so the accuracy as a whole is better than 1-1,5 %.

The scale in the side window has an accuracy of abt.  $1^{\circ}$  (2 %).

The card is pivoted between two sapphire bearings of highest quality. Thanks to an ingenious bearing system the whole top scale is apparent without any metal axles or other parts to hamper the readability and brightness of the scale. The liquid, which will remain crystal-clear from year to year, dampens the movement of the card very effectively.

## Illumination

All BRUNTON Clino Master models are superior as to the readability of the card scales both illuminated and unilluminated.

For use in darkness and twilight the Clino Master instruments can be delivered with a built-in self powered light source. It has a useful life of abt. 15 years and needs no maintenance. It is also possible to order BRUNTON Clino Master Lensatic with a Lithium battery operated lighting unit.

Basic versions available of Clino Masters

1. Lensatic model
2. Prismatic model

**Housing:** Mat anodized aluminium

**Rubber cover:** The BRUNTON Clino Master is possible to equip with a shock absorbing, anti-slip, rubber cover. Available colours: Green, Blue and Yellow.

**Instrument weight:** 110g.



Professional Instruments  
CLINO MASTER  
Clinometer/Heightmeter

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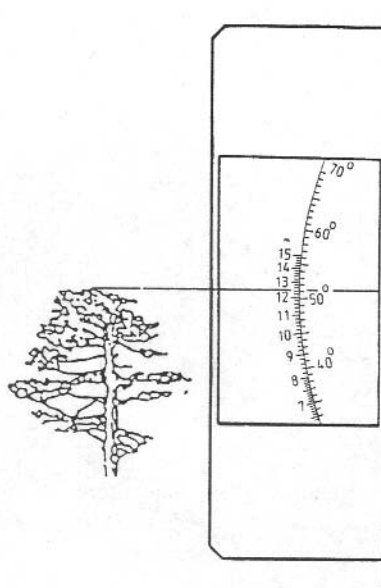
## BRUNTON Clino Master\*

\*Patented and Model Patented

BRUNTON Clino Master Series represent the highest quality on the market in precision, sensitivity, durability and short settling time. This series has been designed for professionals, to whom superior quality is the most important argument. Such professionals are e.g. Foresters, geologists, surveyors, architects, engineers, speleologists, inspectors, builders contractors, explorers, defence forces etc.

### Instruction for use

With both eyes open, sight through the optical system and aim the instrument so, that the center line of the lens is superimposed on the target and the side window faces to the left. On scale 1015/2025 alternative scales are shown when window faces to the right. Read the bearing directly under the hairline. When viewing through the lens with both eyes open,



the hairline can be seen to continue aside the instrument housing on the object due to an optical illusion.

Some people who have an eye condition called heterophoria, that is disalignment of the eye axis, may get incorrect reading when reading the instrument with both eyes open. This can be checked as follows:  
Take a reading to the object with both eyes open. Then close the other eye, and if the reading does not change significantly, there is no heterophoria and readings can thus be taken with both eyes open. In case there is a difference in the readings, then keep the other eye closed and sight partly aside the instrument housing.

The top scale in the window, furnished with red lubber line, is used by placing the long instrument side along the inclined plane to be measured. The slope angle is then read directly by the lubber line. This is the practice in measuring, where viewing through the lens is not possible because of lack of space.