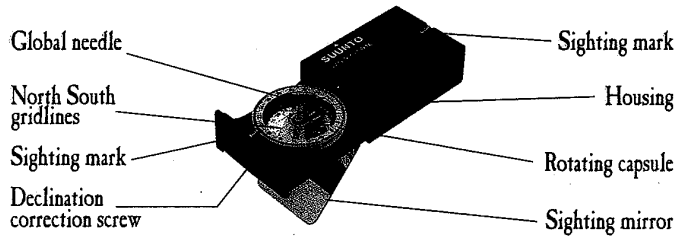


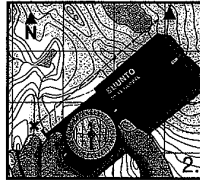
# DP-65 GLOBAL COMPASS

ACCURATE BEARINGS WHENEVER YOU NEED THEM.



## THE DP-65 GLOBAL COMPASS FEATURES:

- Balanced for worldwide use
- Quick and stable settling time of the needle
- Adjustable declination correction scale
- Built-in clinometer
- Dial with 2 degree increments
- Luminous markings
- Double jeweled bearing
- Nylon lanyard
- Sighting mirror
- Protective housing with locking mechanism
- Side scale



## EASY INSTRUCTIONS ON HOW TO USE THE DP-65 GLOBAL COMPASS:

**1.** To open: Hold the compass in one hand and pull the cord with the other. This compass can be used as a baseplate compass with a map, or for direction finding using the sight. Mirror folds out by tipping the compass towards you. Push mirror back when working with a map.

**2.** To use with a map: Place the compass on the map between your current position and desired destination. Turn the compass capsule until the N-S line on the dial is parallel to the North on the map. Hold the compass level against your body, then turn until the global needle (orange end) is aligned directly over the two parallel north markings. The luminous sighting marks show your direction of travel.

**3.** For direction finding with the sight: Hold the compass at eye level, pointing in the direction of your desired destination. Then look through the sighting marks and pick a landmark in front of you. While looking in the sighting mirror, rotate the capsule until the orange end of the needle settles directly between the parallel north markings on the capsule. Travel towards the direction to reach your destination. (See instructions for more information.)

## SUUNTO COMPASSES: WHEN ABSOLUTE RELIABILITY IS A MUST.

All over the world, there are people whose outdoor activities or work depends on accuracy and reliability of an instrument. With the help of Suunto compasses, campers, hunters, skiers, fishermen and others securely find their way in nature. Also, for professionals such as geologists, surveyors, soldiers and rescue patrols, Suunto compasses are the indispensable companion when conditions are especially demanding. That's why so many have chosen Suunto products for the past 60 years.

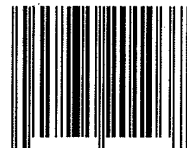
### LIMITED LIFETIME WARRANTY.

FOR A FREE BROCHURE, WRITE:

**SUUNTO** 

2151 Las Palmas Drive, Suite G  
Carlsbad, California 92009

Official sponsor of International Orienteering Federation  
Made by Recta AG, Switzerland, a Suunto Company



0 -45235-20103 7

instrument body. The hairline now rises above the instrument body and is seen against the target.

For an example, see map:

The bearings obtained from the main scale are 333° and 65° or 153° and 245° on the reversed scale. Your own location is indicated by the intersection point of these two lines. When performing very accurate positioning tasks the bearings obtained have to be corrected for local declination (variation).

The co-tangent table at the back of the models KB-14 and 77 can be utilised for distance calculations, and especially for locating position in cases where two landmarks are visible at a narrow angle. This procedure is illustrated on other side. The angle between the light and the day-beacon is 20°. A line is drawn at a 90° angle to the 153° bearing line from the light toward the day-beacon bearing line. The distance, as measured on the chart, is 7/8 nautical miles. Then the position of the boat is  $\cot 20^\circ \times 7/8 = 2,4$  miles along the corrected bearing line of 153°.

#### CAUTION!

Clean compass with water and mild soap only! Do not use detergents or solvents of any kind as they might cause damage to the compass dome.

**SUUNTO**  
FIN-02920 Espoo, Finland

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## Warranty

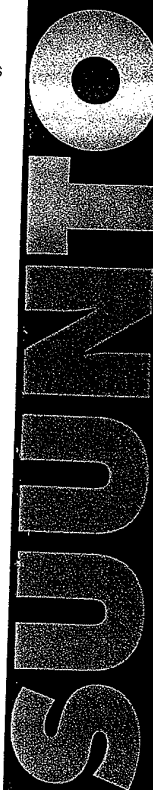
### Suunto precision instruments

Suunto Oy warrants its precision instruments to be free from defects in material and workmanship. This warranty is valid to the original purchaser for a period of 2 years from the date of purchase. If such a defect is found and the product is returned to an authorized agent within the warranty period stated above, Suunto Oy will at its option repair or replace it, provided that Suunto Oy upon inspection determines the defect to be covered by the warranty.

The warranty does not in any case cover normal wear and tear, neither defects caused by abuse, neglect, accident, improper installation or servicing, improper use or use in violation of instructions furnished by Suunto Oy. Suunto Oy assumes no responsibility for the costs of installation and removal of the product, or for any consequential damages whatsoever.

When the product is returned for warranty repairs, the original receipt of purchase must be presented as positive proof of date of purchase.

This warranty gives you, the original consumer purchaser, specific legal rights. You may also have other rights which vary depending upon jurisdiction.



BOUSSOLE DE  
RELEVEMENT  
BEARING  
COMPASS

**SUUNTO**  
Precision Instruments

## Construction

SUUNTO Bearing Compasses are designed to combine extreme accuracy with ease and speed of operation. The card is immersed in a dampening fluid, giving vibrationless, smooth movement.

The compasses have been given permanent antistatic treatment. The lens aperture is restricted by a column which automatically centres the eye on the optical axis, eliminating parallax. (KB-14 and 20 models)

## Illumination

For work under twilight conditions or even in total darkness the different KB types are also available with a built-in tritium lamp which illuminates the scale for reading. The lamp is self-powered and needs absolutely no maintenance. The tritium lamp presents no radiation hazards as the soft beta-rays do not even penetrate the glass envelope of the lamp which in turn is inside card housing.

When ordering instruments with illumination the letter T should be added to the code, e.g. KB-14/360 RT.

## Inclination — balancing

The compass card is balanced to correspond the circumstances of the area

within which the compass is in use. When using the compass elsewhere (e.g. on trips abroad) the change of the vertical magnetic field makes the compass card dip and this may cause difficulties in taking the bearing.

## Declination

The compass shows magnetic north, which differs from map north by the amount of the local declination which is printed on your map.

In order to lay out on a map a bearing obtained with the compass, the plus or minus declination for the locality in question must be added to the compass bearing.

When a bearing is taken from the map and a corresponding sighting is wanted with the compass, the procedure must be reversed. Sailors use the term "variation" for magnetic declination.

## Deviation

Iron and steel objects close to the compass, like a wristwatch or steelrimmed eyeglasses, may cause deviation.

Whenever possible, remove such objects to a safe distance. Large structures like buildings, reinforced concrete quays etc. will cause deviation at some distance. A reverse sighting from the opposite end of

the target line will show up any deviation present.

## Operation

With both eyes open, aim the compass so that the hairline is superimposed on the target, when viewed through the lens. On the R models the main scale gives the bearing from your own position to the target, the small reversed scale the bearing from the target to your position. This feature is of great assistance when calculating a precise position, particularly at sea.

Use the left or the right eye as preferred. With both eyes open, an optical illusion makes the hairline appear to continue above the instrument frame, superimposed on the target. This improves reading accuracy and speed.

Because of an eye condition called heterophoria, the reading accuracy of some users may be impaired. Check for this as follows:

Take a reading with both eyes open and then close the free eye. If the reading does not change appreciably there is no disalignment of the eye axes, and both eyes can be kept open. Should there be a difference in the readings, keep the other eye closed and sight half-way above the