Acknowledgements

We would like to thank you for choosing a TISSOT watch, a Swiss brand among the most highly renowned in the world. Your T-TOUCH watch has the most recent technical innovations. It gives you a constant analogue time display and a variety of digital displays.

In addition, the following functions can be accessed simply by touching the glass: Weather, Altimeter, Chronograph, Compass, Alarm and Thermometer.
WARNING

TISSOT TACTILE WATCHES MUST ONLY BE SERVICED BY TISSOT’S AUTHORIZED CUSTOMER SERVICE CENTERS, WHICH ARE LOCATED IN OVER 160 COUNTRIES.
T-TOUCH II

FUNCTIONS

2nd function

1st function

1st function

Water resistance: 100 m / 330 ft

Battery type: button-type lithium-manganese dioxide primary battery cell.

Activate touch-sensitive glass / Activate light

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GENERAL USER INFORMATION

Activating the touch-sensitive glass

27.12.07

When the glass is activated, the symbol will flash on the digital display.

If the glass is not touched, it will automatically deactivate after 15 seconds.

Exception: In compass mode, the glass will deactivate after 30 seconds.

Activating the light

The display light will stay on for 5 seconds.

Setting mode

Select a function

Touch one of the 7 touch-sensitive areas of the glass to activate the corresponding function.

Display mode

Activate the glass

27.12.07

Date display = Default display

10:10:10

Time 1 display: T

10:10:10

Time 2 display: T2

Options

Display

Return to Date display

SETTING > TIMES T & T2

Pressing and holding or will move the hands forward or backward. After a full revolution, the minutes hand will stop and the hour hand advances/reverses in steps of one hour. Time T2 is set in steps of 15 minutes.

Activate glass

Time T or T2 display (example: T)

Setting mode

Validate setting

a) The seconds restart at zero
b) The seconds continue

SETTING > DATE

The calendar is perpetual, i.e. the number of days per month is predefined. In continuous setting, the days scroll past slowly at first, and then quicker. After a full month, the calendar scrolls in months, and then likewise in years.

Activate glass

Date display

Setting mode

Validate setting

a) : forward one day
b) : back one day
**RE**AD**ING** > **OP**TIONS

- **Activate glass**
- **Options display** (see page 4)
- **Switch to sub-menus:**
  - **Units display**
  - **Automatic switch to standby mode after 5 seconds**
  - **Beep display**
  - **Beep every second**

- **Climate zone display**
- **Back to units display**
- **At any time: exit sub-menu — back to date display**

**SET**TING > **UNITS**

- **Units display**
- **Setting mode**
- **Select mode 12/24 hours** — in 12 hour mode, the letter **A** (AM) or **P** (PM) appears between minutes and seconds when setting the time

- **Select Mode**
  - °C / m
  - °F / ft

- **Validate setting.**
  - Selecting 12 hour mode displays the date in the format 12.27.2007 (month, day, year), and 24 hour mode in the format 27.12.2007 (day, month, year).

**SET**TING > **BE**EP

- **Beep display**
- **Setting mode**
- **Activated = on**
- **Deactivated = off**
- **Validate setting**

Deactivating the sound silences adjustment beeps but not the alarms.
**SETTING > STANDBY**

Standby mode is a battery economy mode. All the functions are deactivated, with only the time & date counters updated. This mode economises the battery when the watch is not being worn.

- **a)** The watch is in standby
- **b)** + or - : stop the count, the watch does not switch to standby mode

**SETTING > HEMISPHERE AND CLIMATE ZONE**

To get the best from the altimeter function, it is possible to adjust the hemisphere and climate zone to your geographic location. Select your climate zone according to the simplified Köppen climate classification (see illustration on right).

If the watch is not set ("No Set"), the standard atmosphere model is used: set temperature at sea level = 15°C, mean pressure at sea level: 1013.25 hPa

- **Climate zone display**
- **Setting mode**
- **Select hemisphere**: North = North; South = South; not set = not set
- **Set the local climate**: T = temperate; M = Mediterranean; A = arid; tr = tropical; P = polar
- **Validate setting**

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**STANDBY MODE**

- Automatic switch to standby mode after 10 seconds
- Beep every second

**TIME & DATE MODE**

- Back to time & date mode

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**HEMISPHERE AND CLIMATE ZONE**

- North
- South
- not set

**CLIMATE ZONE**

- Temperate
- Arid
- Tropical
- Mediterranean
**SETTING > SYNCHRONISATION**

The watch needs to be synchronised if the watch hands do not display the same time as the digital display, or if they are not correctly superimposed when accessing the functions.

The watch is desynchronised when its electric motor’s mechanism is disturbed due to heavy impacts for example.

N.B.: The glass must be active to access the synchronisation mode.

[Diagram showing steps for synchronisation]

1. Position the hour hand at 12 o’clock.
2. Position the minutes hand at 12 o’clock.
3. Validate setting.
4. Return to Time T mode.

**WEATHER**

In weather mode, the hands are superimposed to indicate the weather trend.

1. Activate glass.
2. Relative pressure display in hPa.
3. Absolute pressure display in hPa.

**SETTING > RELATIVE PRESSURE PRESETTING**

Setting this pressure changes the altitude displayed. The possible relative pressure is deliberately limited between 950 hPa and 1100 hPa.

1. Set mode.
2. Validate setting.
**T-TOUCH II**

**GLOSSARY > WEATHER**

**Description of function**
In weather mode, the hands are superimposed to indicate the weather trend.

**Explanations**
Weather changes are related to variations in atmospheric pressure. When atmospheric pressure increases the sky clears. The area is then referred to as a “high pressure” area or “anticyclone” (A). When atmospheric pressure decreases the sky clouds over. The area is then referred to as a “low pressure” area or “depression” (D). The T-TOUCH measures these pressure variations and indicates the weather trend with the hands, which can adopt the following 7 positions according to the weather developments:

<table>
<thead>
<tr>
<th>Position</th>
<th>Weather Change</th>
</tr>
</thead>
<tbody>
<tr>
<td>- 6’</td>
<td>Big pressure drop, rapid deterioration</td>
</tr>
<tr>
<td>- 4’</td>
<td>Moderate pressure drop, probable deterioration</td>
</tr>
<tr>
<td>- 2’</td>
<td>Small pressure drop, probable slight deterioration</td>
</tr>
<tr>
<td>12 o’clock</td>
<td>No notable weather change</td>
</tr>
<tr>
<td>+ 2’</td>
<td>Slight pressure rise, probable slight improvement</td>
</tr>
<tr>
<td>+ 4’</td>
<td>Moderate pressure rise, probable improvement</td>
</tr>
<tr>
<td>+ 6’</td>
<td>Big pressure rise, rapid improvement</td>
</tr>
</tbody>
</table>

The T-TOUCH program takes account of atmospheric pressure variation over the last 6 hours to calculate the trend to indicate. Furthermore, the pressure variation caused by a rapid change in altitude is detected by the watch and compensated for automatically. So it only has a minimal impact on the barometric trend.

The T-TOUCH digital display indicates the absolute and relative atmospheric pressure values in hectoPascals [hPa]. Absolute atmospheric pressure is the actual pressure at the time and place of measurement, and cannot be altered. Relative pressure is a value relative to sea level, based on local absolute atmospheric pressure. Barometers and weather charts show relative pressure values. The relative pressure value depends on the climate zone set, and can be preset on the watch. The relative pressure presetting is in line with the altitude.

**Characteristics of function**
- Measurement range: absolute pressure: 300 hPa to 1100 hPa relative pressure: 950 hPa to 1100 hPa
- Accuracy: absolute pressure: ± 3 hPa relative pressure: varies with altimeter
- Resolution: 1 hPa
- Unit conversion: 1 hectoPascal [hPa] = 1 millibar [mb]

**ALTIMETER**
The altitude is displayed on the digital screen for 4 hours continuously. After 4 hours, the altimeter mode is deactivated, and the date is displayed.

**SETTING > ALTITUDE PRESETTING**

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Note 1: “Presetting” an altimeter means setting the actual altitude of a known point (see presetting procedure on page 8). The actual altitude values are indicated on various media: signposts, contour lines and spot heights on maps. The altitude “presetting” is in line with relative atmospheric pressure.

Note 2: In an airliner, since the cabin is pressurised, your altimeter will not indicate an accurate altitude.

Note 3: To optimise the accuracy of your altimeter, you are advised to select the climate zone, see page 6.

Characteristics of function

<table>
<thead>
<tr>
<th>Characteristic</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Measurement range</td>
<td>-400 m to +9000 m</td>
</tr>
<tr>
<td>Altimeter resolution</td>
<td>1 m</td>
</tr>
<tr>
<td>Unit conversion</td>
<td>1 metre [m] = 3.281 feet [ft]</td>
</tr>
<tr>
<td></td>
<td>1 foot [ft] = 0.305 metres [m]</td>
</tr>
</tbody>
</table>

NB! Due to the use of pressure to calculate altitude, the altimeter is sensitive to variations in atmospheric pressure in weather changes. It is not uncommon to observe altitude differences of 100 m in a night. So the value displayed may vary without the altitude having actually changed.
**COMPASS**

The minutes hand points to True North, factoring in the magnetic declination setting. In compass mode, the digital screen displays the angle between 12 o’clock and the minutes hand. This angle is called azimuth and is used to obtain your heading shown at 12 o’clock on the T-TOUCH.

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**SETTING > COMPASS > MAGNETIC DECLINATION**

Activate glass compass display

User compass calibration

Back to compass display

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**SETTING > COMPASS > COMPASS CALIBRATION**

Turn the watch more than a complete revolution on a horizontal surface (e.g. a table) in an environment free from magnetic interference, at a rotation speed of around 30° per second.

Total time: 20 seconds maximum

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a) Calibration successful – data stored

b) Calibration failed – repeat calibration

Back to compass display
T-TOUCH II

GLOSSARY > COMPASS

Compass

In compass mode, your T-TOUCH indicates the True North Pole, factoring in magnetic declination.

Compass explanations

The vertical lines (meridians) on the Earth converge at the True North Pole (Ng), indicating its direction. The hand of a conventional compass indicates the direction of the Magnetic North Pole (Nm). The angle (α) between these two directions Ng and Nm is known as magnetic declination. The magnetic declination value depends on your location on Earth. Furthermore, the Magnetic North Pole is constantly moving. So the magnetic declination value also depends on the date. If the correct magnetic declination value (for the location and date) is set (see the setting procedure on page 10), the minutes hand of your T-TOUCH will point to True North (Ng). If the magnetic declination is set to 0, your T-TOUCH will point to Magnetic north (Nm). The magnetic declination values and dates are indicated on topographic charts, or can be found using special software available on the Internet.

For Switzerland: http://www-geol.unine.ch/geomagnetisme/Representation.htm
For the whole world: http://www.ngdc.noaa.gov/seg/geomag/magfield.shtml

Azimuth explanations

The azimuth is the horizontal angle between the direction of an object and True North. The azimuth is measured from north in degrees from 0° to 359° (e.g.: East = 90°). This angle is shown in the display. 12 o’clock represents the heading given by the azimuth relative to True North.

Note 1

For a correct indication of North, it is extremely important to hold the watch as level as possible.

Note 2

The compass function, like any other compass, should not be used near a metal or magnetic mass. In case of doubt, you can recalibrate your compass.

Note 3

The rotating bezel, graduated from 0° to 359°, provides another method for determining the azimuth.

Characteristics of function

Accuracy: ± 8°
Resolution: 2°

ALARM

The 2 alarms are associated with time T. An alarm lasts 30 seconds, without repeating. When the programmed time is reached, you can stop the alarm by pressing one of the push-buttons.

SETTING > ALARM

The 2 alarms are associated with time T. An alarm lasts 30 seconds, without repeating. When the programmed time is reached, you can stop the alarm by pressing one of the push-buttons.
**T-TOUCH II**

**THERMOMETER**

**Description of function**
In thermometer mode, your T-TOUCH displays the ambient temperature.

**Explanations**
The temperature displayed corresponds to that of the watch case, so this temperature is influenced by your body temperature. That is why the temperature displayed may differ from the ambient temperature.

To display the actual ambient temperature, the watch needs to be taken off for 15 to 30 minutes, in order to be free from the influence of body temperature.

**Characteristics of function**
The temperature can be displayed in degrees Celsius [°C] or degrees Fahrenheit [°F]. (See procedure to follow for changing units on page 5).

| Conversion formulae: | T°C = (T°F -32) x 5/9  
| T°F = T°C x 9/5 + 32 |
| Measurement range: | -5°C to +55°C / 23°F to 130°F |
| Accuracy: | ± 1°C / ± 1.8°F |
| Resolution: | 0.1°C/ 0.2°F |

**GLOSSARY**

**WARNINGS**

Battery type: button-type lithium-manganese dioxide primary battery cell.

To activate the functions on your T-TOUCH a gentle press on the push-buttons or touch on the glass is all that is required. Excessive force may damage the watch. The brightness of the digital display decreases when the hands are in motion.

In fast continuous setting mode, the display moves at a faster rate (e.g. for date function: months or years instead of days) than in non-continuous or normal speed setting mode (e.g. for date: days instead of months or years). To exit fast continuous setting mode, you need to release the push-pieces for 3 seconds to continue in normal speed setting mode.

The T-TOUCH is water-resistant to 10 bar (100 m / 330 ft) at 25°C / 77°F, but it is not an instrument suitable for sports diving. You must not use push-buttons when the watch is underwater. None of the functions can be activated if the glass is in contact with a liquid.

Additional information in the "International Warranty – Service centers" booklet.

**SENSOR FAULT**

When a function is selected and the display is cleared, it is probably due to a failure of the selected function’s sensor.

<table>
<thead>
<tr>
<th>5 sec.</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Error: the display is cleared</td>
<td>Back to date display</td>
</tr>
</tbody>
</table>

If this happens, please contact your retailer.