

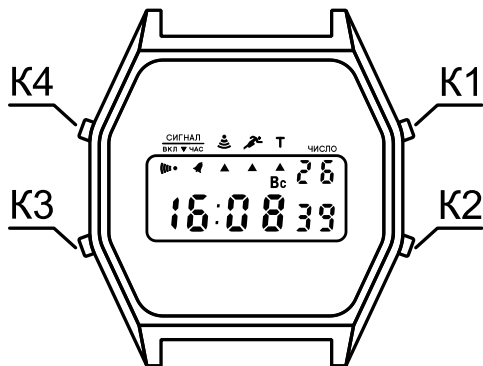


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**Digital wristwatch**  
**«TECHNOCHAS»**  
**(electronic modules 55, 55D)**

ГОСТ 23350-98  
 ТУ BY 190245707.002-2006

**User manual**



*The external look of the watch may differ from the image above*

#### **Функции, выполняемые часами**

- Time in 24-hour mode (hours, minutes, seconds).
- Calendar (date, month, weekday, year)
- Hourly signal.
- Alarm with a melodic signal.
- Stopwatch (resolution 0.1 sec.).
- Timer (can be set from 1 to 60 minutes).
- Digital precision adjustment.
- Display backlight (press K4 for turn on).

#### **Technical characteristics**

- Daily precision deviation at temperature (23±2)°C is not more than ±0.5 sec/day (with daily deviation correction from 0 to ±6.35 seconds set up by the user in digital adjustment mode, see below).
- Battery life is not less than 1.5 years.
- Operating temperatures from 1 to 45°C.
- Battery type: AG3.
- Lifetime is at least 5 years.

#### **Package contents**

Watch with battery, user manual, package – 1 piece each.

#### **Common instructions**

We recommend you to read this manual before using the watch.

To avoid premature failure, the watch should not be exposed to water, mechanical stress (shock, vibration, etc.), corrosive media (acids, alkalis, etc.), and should not operate at temperatures outside the operating range (1-45°C).

#### **Operation modes**

The watch has the following operation modes:

- Indication of current time and date (main mode);
- Alarm mode;
- Stopwatch mode;
- Timer mode;
- Setup of current date and time;
- Setup of digital precision adjustment (DPA).

Sequential change of these modes is performed by pressing K3.

#### **Main mode**

In main mode, watch indicates hours, minutes and seconds of current time, today's date and weekday. Date, current month number and year are shown when K2 is pushed.

Push K1 in this mode to switch the hourly signal. The watch displays «🔊» sign when it is turned on.

#### **Current time and date setup**

Press K3 in main mode 4 times to enter into setup mode. Seconds will start blinking. Select the parameter you want to set up by pushing K2. Parameters are changed in the following sequence: *seconds* → *minutes* → *hours* → *year* → *month number* → *date* → *weekday*.

Selected parameter is blinking. Push K1 to increase it. For faster setup, hold K1 at pushed state – parameter's value will change quickly.

When you are setting up seconds, push K1 just at the beginning of new minute. If seconds value was in range from 0 to 29 it will be set to 00, in range from 30 to 59 it will be set to 00 and minutes value will be increased by 1.

#### **Alarm setup**

Press K3 in main mode 1 time to enter into alarm setup mode. The watch will display the «▲» pointer below the «🔊» sign on the glass. Push K2 to start the setup process. Minutes will start blinking. Push K2 one more time to set up the hours. The required values are entered by pushing K1, in the same way as current time values.

To turn on and off the alarm, push K1 in alarm setup mode. When it is turned on, the watch displays sign «🔊».

Push K1 and K3 the same time in alarm setup mode to change the alarm melody. New melody will play each time. Alarm will use the melody, which played the last. To stop the alarm, push K1..

#### **Stopwatch**

Press K3 in main mode 2 times to enter into stopwatch mode. The watch will display the «▲» pointer below the «🔊» sign on the glass. Push K1 to start or stop the stopwatch count. The «▲» pointer will be blinking when stopwatch in working.

To fix the intermediate value of stopwatch, push K2. The stopwatch will continue counting (the watch displays the «🔊» sign). After pushing K2 one more time, you will return the watch to current stopwatch value.

Push K3 to exit the stopwatch mode. If the stopwatch was not stopped, it will continue its count in background mode, and you will return to it, when you will enter this mode again.

### **Timer mode**

Press K3 in main mode 3 times to enter into stopwatch mode. The watch will display the «▲» pointer below the «Т» on the glass. Push K2 to set up the required timer value in minutes, like the current time and alarm values (see above). Push K1 to start or stop the timer count. The pointer «▲» will be blinking when timer is active. After the finish of the timer count, the watch will play a sound signal. You can push K1 to stop the sound.

Push K3 to exit the timer mode. If the timer was not stopped, it will continue its count in background mode, and you will return to it, when you will enter this mode again.

### **Digital precision adjustment**

If you have noted that your watch is fast or slow, you can set up digital precision adjustment (DPA).

For example, you have set up the precious time at 21:00:00. After 10 days at same time your watch shows 21:00:07. To calculate correction value you should divide time difference by number of passed days:

$$(21:00:07 - 21:00:00) / 10 = 0.7 \text{ (seconds/day)}$$

To set up DPA, enter the timer mode by pushing K2 in main mode, then push K3 and hold it at least within 3 seconds. The watch will display the sign «ЦНХ» and a current DPA value (0.0 after reset). Add (if watch is lagging) or subtract (if watch is in hurry) the calculated correction value. For example, watch already has DPA value 0.5. Your watch (see example above) is fast for 0.7 seconds a day, so:

$$0.5 - 0.7 = -0.2$$

Set up this value by pushing K1. The value is changed with 0.1 second step, firstly increasing up to «6.3», then decreasing from «0.0» to «-6.3».

### **Battery replacement**

Battery in the watch should be replaced in cases of poor contrast of display, absence of information on display, vanishing of information then backlight or alarm is working, or your watch starts losing the time.

For battery replacement, you should open watch's caseback, extract old battery, install new one according to its polarity («+» of battery should be outside), snap the caseback. Push K1, K2 and K3 at the same time to reset the watch. If the watch does not respond on reset after battery replacement, please extract the battery and install it again after 5 seconds.

We advise you to change battery in specialized service center to avoid damage of your watch in general and its moisture resistance in particular.

### **Warranty**

Warranty period is 1 year from the sale date. The warranty period is extended for the period when watch is repaired. Warranty repair does not accept the watch:

- Without a factory passport
  - Without a stamp of the shop and the date of sale in the passport, or a cash voucher about the fact of their acquisition.
  - In case of evident signs of mechanical damage (potholes and deep scratches on the case, cracks on the glass and the indicator), traces of water and other evidences of operating conditions violation.
- Repairing of the watch during the warranty period is provided in the manufacturer's warranty workshop or authorized service center in your country.

### **Translation of Russian inscriptions**

In Russian version of the watch you can find the following inscriptions:

Weekdays:

- «ПН» – Monday
- «ВТ» – Tuesday
- «СР» – Wednesday
- «ЧТ» – Thursday
- «ПТ» – Friday
- «СБ» – Saturday
- «ВС» – Sunday

Other:

- «СДЕЛАНО В БЕЛАРУСИ» – Made in Belarus
- «ЧИСЛО» or «ДАТА» – Date
- «СИГНАЛ» – Alarm
- «СЕКУНДОМЕР» – Stopwatch
- «ТАЙМЕР» – Timer
- «ВКЛ.» – Turned on
- «ЧАС» – Hour
- «СВЕТ» – Light
- «РЕЖИМ» – Mode
- «СТАРТ-СТОП / УСТАНОВКА» – Start-stop / Set
- «КАЛЕНДАРЬ / ВЫБОР» – Calendar
- «ЦНХ» – Digital precision adjustment

### **Manufacturer quality control information**

Date of issue:

QC stamp:

### **Sale information**

Date of sale:

Seller's signature:

Shop stamp: