

## **1. S.010 – S.100 (Speed Display)**

The display **S.010–S.100** indicates the current airflow speed level.

- “S” stands for **Speed**
- On this digital display, the “S” may visually resemble the number “5”

There are **10 adjustable speed levels** in total.

You can use the **FLOW - / + buttons** to adjust the airflow.

- **S.100** represents the maximum speed setting.

## **2. TIME SET (Timer Function)**

A short press of the **TIME SET** button will enter timer mode, and the display will show **T.000**.

- “T” stands for **Time** (it may appear visually similar to a reversed “7” on the screen)
- The timer unit is **minutes**
- Maximum setting: **999 minutes (T.999)**

When setting the timer:

- The digits will flash on the display
- Use **FLOW - / +** to adjust values
- Press **TIME SET** to switch between units (ones / tens / hundreds)

## **3. OK / SETTING Button**

### **(1) Confirm Settings / Total Runtime Display**

After setting speed or timer, pressing **OK/SETTING** confirms the settings.

The display will then show **0000**, and at this stage other buttons will be temporarily disabled.

**0000 represents the total operating time of the machine.**

- The unit depends on production batch:
  - Some older units display **minutes**
  - Some newer units display **hours** (we updated the program later)

The runtime value increases as the machine is used.

To return to normal settings display (speed or other), press the **OK/SETTING** button again.

### **(2) Motor Speed (RPM) Display**

When the display shows **0000**, pressing **OK/SETTING again** will switch to a live fluctuating value.

This value represents the **motor speed (RPM)** — the number of rotations per minute.

Different airflow levels correspond to different RPM values.

### **(3) Alarm Value (Sensitivity Setting)**

When the screen shows **S.010–S.100**, press and hold **OK/SETTING** for **3–5 seconds** to enter alarm settings.

This displays a motor protection threshold value.

#### **Working principle:**

The machine monitors motor RPM in real time. If the motor speed rises above the preset threshold, the system will trigger an alarm. This usually indicates that the airflow resistance has increased, which may be caused by:

- Filter clogging
- Hose clogging
- Airflow restriction in the system

When resistance increases, the motor automatically works harder to maintain suction, resulting in higher RPM. Once it exceeds the set limit, the alarm is triggered.

#### **Adjustment:**

- Use **FLOW - / +** to adjust the value
- Higher value = less sensitive (less likely to trigger alarm)