

olivetti P 102

Electronic, writing table computer
Instructions and numbers can be recorded on a magnetic card
Digital input / output

Keyboard

Numeric keypad: 10 keys, commas and a key to insert a negative number.

Function keys: for the arithmetic operations: add, subtract, multiply, division and root extraction.

Three keys to transfer numbers from one register to another.

Two keys for clearing and printing the content of a register.

A stop / start key.

Four selection keys, with which 16 unconditional jumps can be made.

A general reset button.

A correction key, with which the last digit inserted can be deleted.

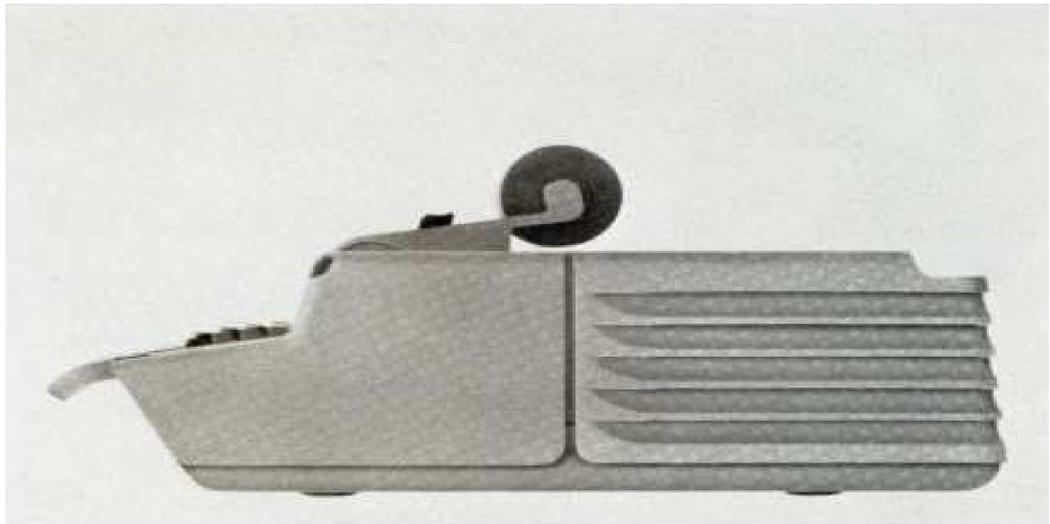
Seven register selection keys.

A key to split a register.

Controls

On-off switch.

Keys for recording and listing a program.



A wheel to set the desired number of decimal places in results.

Keyboard unblocking.

Control lights.

If the machine is unable to perform certain commands, or when an incorrect instruction is given, a red light will light up. A flashing green light indicates that the computer is at work.

Computational and memory unit

This unit is entirely transistorized.

The memory consists of:

- three operating registers with capacity of 22 digits, comma and minus sign;
- five numerical registers, with capacity of 22 digits, comma and minus sign. These registers can split into two equal parts, each with a capability of 11 digits, comma and sign.
- two registers which only can be used for holding program instructions. The capacity of these two registers together is 48 instructions. The total instruction capacity of the machine is 120 instructions, when using three of the five numerical registers.

Saving and reading unit for the magnetic card

This unit allows instructions from saving the memory of the computer on a magnetic card, and transferring a registered card program in the computer memory.

Printing

Serial printer with continuous rotating cylinder.

All entered numbers and between and final results can be written.

Speed: 1800 characters per minute.

Capacity: 22 digits, comma, minus sign and symbols together 28 columns.

Programmable features

Arithmetic (add, subtract, multiply, division and square root).

Transfers between registers.

Conditional jumps (logical decisions) (interruption of the program at a predetermined point, for automatic decision based on the contents of a register).

Unconditional jumps (fixed program interruption regardless of the content of a register).

Stop instruction for entering variable data.

Special instructions that make possible to:

- calculate the absolute value of a number.

- calculate the decimal part (after comma) of a number
- advance paper
- read and use numbers on a magnetic card .
- use programs that are on more than one card
- use a portion of the memory first for instructions and then for numbers.

Input / output

External device connection via 8-bit ISO code.

It's possible to:

- enter numbers and instructions from a punch tape reader.
- write numbers to a tape puncher.
- process on-line data from digital measuring devices.

Electrical Specification

Voltage: 220 V

Frequency: 50 Hz

Consumption: Approx. 350 W

Special provisions not necessary.

Dimensions:

Width: 48 cm.

Height: 19 cm.

Depth: 61 cm.

Weight: 29 Kg.

