

The Memorex 1300 Screen Printer

Highlights

From Idea to Innovation.

Memorex engineers began with an idea; to attach a lower-cost matrix printer to a display screen and obtain hard copy records at the very point of inquiry.

Then they developed it.

The Memorex 1300 Screen Printer was the first screen printer to be introduced into the 3270 marketplace. It provides users of the Memorex 1377 Display Station hard copy records directly from the display screen without the intervention of the central processor or use of an additional port on the terminal controller. Within a matter of seconds, data entry operators, programmers, system analysts and management—remote from the central printer—can receive a crisp copy of all the data on the screen by simply depressing selected keys on the keyboard of the terminal.

The microprocessor-controlled free-flight print head produces a highly legible 7x7 dot matrix character printout of 80 characters per line which corresponds to the number of characters displayed across the 1377 display screen. With a print speed of 100 characters per second, a typical screen printout takes approximately twenty seconds, speeded by a buffer memory within the printer.

The Memorex 1300 handles three different types of paper interchangeably without adjustment: standard cut sheet, roll and fan fold paper. Up to three copies can be produced at one time; the original and two sharp carbons. The paper can be automatically advanced forward continuously or one line at a time. This electronic paper advance is controlled by a microprocessor within the 1377 keyboard.

The ribbon system features a continuous 9/16 inch wide by 20 yards long "zip pack" ribbon supplied in a convenient drop-in cartridge. A mobius loop allows printing on both the upper and lower portions of the ribbon, extending its life.

Compact, Lightweight and Dedicated.

The 1300 is a highly compact, lightweight, desk-top unit that can be installed and relocated easily.

The printer connects directly to the 1377 Display Station via a three-foot or optional ten-foot cable that attaches to the printer interface housed within the 1377 keyboard. With this interface in place, the user can simply plug the connecting cable into the printer for immediate operation. The 1300 interface may be factory or field installed.

Microprocessors within the 1377 Display Station control the printing process. No special programming for the printer is required from the host system.

The 1300 handles three different types of paper interchangeably without adjustment:

Roll Paper

8.5 inch x 5.0 diameter with 1 inch core maximum dimension.

3.5 inch wide with 0.38 inch core minimum dimension.

Cut Sheet

Maximum width 8.5 inches.

Fan Fold

9.0 inch wide pin to pin.

9.5 inch wide overall

Up to three copies can be produced at one time.

The 180° mobius loop ribbon configuration allows printing on the upper and lower portions of the ribbon on alternate passes.

Extensive built-in diagnostics have been included in the printer and the 1377 printer interface to aid the user in problem analysis and resolution.

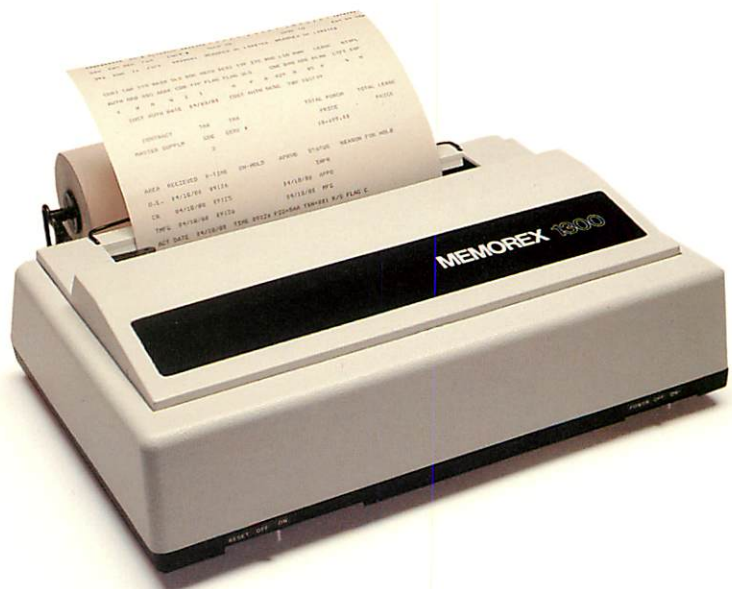
96 ASCII characters are available in upper and lower case.

Optional Features

Options for Specific Applications.

An acoustic cover is provided by Memorex to enable users to operate the 1300 within business environments that require reduced noise levels. This cover also provides a convenient single sheet feed guide to ease the loading of standard letter size paper.

A ten foot connecting cable is available so that the user may locate the printer separately from the display station.



1300 Screen Printer Specifications

Physical Dimensions

Length: 28 cm (11.0 in.)

Width: 37 cm (14.5 in.)

Height: 13 cm (5.0 in.)

(Dimensions exclusive of roll paper holder and acoustic cover.)

Cabinet

White textured finish with black accents.

Power

117 VAC, $\pm 10\%$, 60 Hz:

Weight

5.4 kg (12 lb)

Operating Environment

Ambient Temperature

4.4° to 38°C (40° to 100°F)

Ambient Relative Humidity

20% to 90%

Heat Dissipation

70 Kcal/h (275 BTU/h)

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