PC-100C

thermal printer, plotter

For use with the TI Programmable 58/59. See your program ...at every step. Plot data and print out headings.

TEXAS INSTRUMENTS
INCORPORATED

The PC-100C printer turns your TI Programmable 58 or 59 calculator into a quiet, high-speed printing calculator that prints, lists, and traces your program.

The convenience and efficiency of hard copy printouts are yours with TI's exclusive PC-100C printer. Extend the capability of your TI Programmable 58 and 59. Data, intermediate results and answers are available at the press of a key. Print out the calculator's entire memory contents, or every step of your program as it's executed—both numbers and functions. The PC-100C performs quietly and reliably using a non-impact, thermal printer developed by Texas Instruments—the leader in thermal printing technology.

Whether for school, technology, or business and finance, the uses for the PC-100C are limited only by your imagination.

Simplifies program editing.

```
000   85   +
001   04   4
002   95   =
003   99   PRT
004   98   ADV
005   81   RST
006   00   0
007   00   0
008   00   0
009   00   0
010   00   0
```

It prints fast, over 60 characters/second. So you get listings fast. Just push the list key for a printout of the entire program memory. Identify your program code, and its position in program memory, right on the tape. Editing is easier and faster when you have the whole program in front of you. Mark the tape against your coding sequence. It's invaluable for checking whether you have keyed-in the instructions correctly.

See each program step executed.

Push the trace key. Now every calculation that's performed in your program is printed. The full number and the operation. You can follow subroutine calls and returns. Conditional and unconditional branches, and loops. Conversions and register operations. Now you can be sure it is doing what you want it to do. A real help when you're developing new programs.

Convenient to use.
And key-lock security, too.

Simply remove the calculator's battery pack. Press the calculator down on the connector, turn the key, and you're ready to print. You can leave your programmable locked on the PC-100C and take the key with you. A handy, built-in battery charger ensures your battery is fully charged when you're on the move again.

Added versatility with alpha and plotting capabilities.

Alphanumeric printing.

The PC-100C provides print capability for 64 characters (including blank space). Each character is entered by means of a 2-digit address code. Maximum line length is 20 characters.

Program headings.

```
π² VS X% TESTS 3/22
```

The PC-100C enables you to provide printed headings for your programs for easy reference and identification.

User prompting.

```
ENTER   TEMPERATURE
```

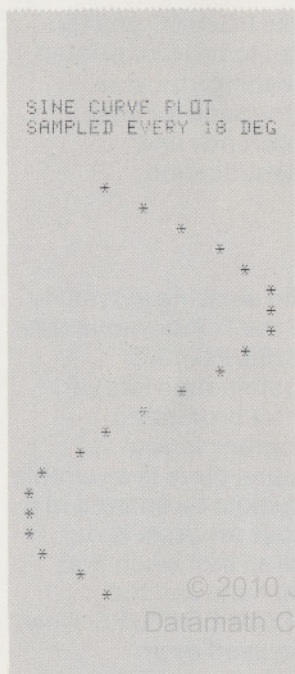The amazing versatility of the TI Programmable 58/59/PC-100C combination lets you enter prompting messages right into your program as you develop it. For instance, assume there is a variable (such as temperature) which must be entered in a certain location each time your program is run. You can set up your program so that when that point is reached the program halts and the PC-100C prints out ENTER TEMPERATURE. Now your program can be run and used by an assistant. A valuable saving of your professional time.

Data labels.

```
001   11   A
021   12   B
066   19   D'
129   13   C
205   88   DMS
231   70   RAD
239   80   GRD
281   14   D
290   16   A'
319   28   LOG
```

The PC-100C makes possible a new dimension in simplifying program documentation. By listing all program labels and locations on your command, it does most of the documentation for you. Reuse of the program at some later date is made easy.
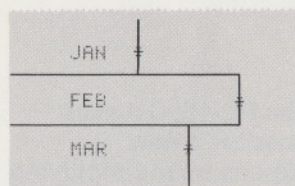
Data plotting and headings.

```
SINE CURVE PLOT
SAMPLED EVERY 18 DEG
```

The PC-100C allows you to input data from your TI Programmable 58 or 59 and plot curves and histograms. You can make a plot of data directly from the calculator keyboard or automatically from a program. This capability lets you sample sine wave curves, create graphs from your data, and much more. And you can do it quickly, easily, and accurately.

All tape printouts shown approximately 60% of actual size.

```
JAN
FEB
MAR
```

Histogram data points connected manually.

The PC-100C operates only with the TI Programmable 58 and TI Programmable 59. The TI Programmable 58 and 59 will also operate with the PC-100A but will not operate with the PC-100 printer.

	Calculator Model	
PC-100C Operating Characteristics	TI-58	TI-59
Print	●	●
List	●	●
Trace	●	●
Alpha	●	●
Plot	●	●
Prompt	●	●

Specifications

Print Mechanism: Non-impact, solid-state thermal printhead transfers heat to chemically-impregnated paper, producing sharp, clear character images. Electronic print mechanism minimizes moving parts, providing whisper-quiet operation.

Paper: Uses TP-30250 Thermal Printing Paper, available where the PC-100C is sold.

Printout: Up to 20 characters per line (5 x 7 matrix), on 6.35 cm (2.5 in) wide thermal paper.

Electronics: Texas Instruments manufactured MOS/LSI integrated circuits, thermal printer, and other solid-state components.

Power Requirements: 115V/60Hz via detachable plug-in cord. Handy battery compartment provides storage space for calculator battery pack and continuously charges the batteries when the PC-100C is connected to a power source.

Included: Dust cover. Two keys. Detachable line cord. Printhead cleaning card. One roll (80 m [250 ft]) thermal printing paper. Owner's manual.

Size: 26.4 x 29.5 x 10.2 cm (10.4 x 11.6 x 4.0 in).

Weight: 2.7 kg (6 lbs).

Limited Warranty

The PC-100C printer is covered by a one-year limited warranty against defects in materials and workmanship.

Due to the difficulty in photographing calculator readouts, displays represented here are simulated.

Texas Instruments reserves the right to make changes in materials and specifications without notice.

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