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SILENT 7000

electronic data terminals



TEXAS INSTRUMENTS
INCORPORATED

LIGHTWEIGHT



\$1995/13 LBS.

The new "Silent 700®" Model 745 Portable Data Terminal from Texas Instruments is the new lightweight champion. In fact, it weighs only 13 pounds... half the weight of the currently most popular portable... our own Model 735.

Since the Model 745 is really the first portable ever to achieve that "briefcase mobility" everybody's been wanting, it travels easily with you... all day.

The 745 portable puts the speed and efficiency of your computer as close as the nearest telephone and electronic outlet... anywhere.

Whether it's sales order entry, inventory control, program planning or data base search and retrieval, you can have almost immediate access to current, essential data. You can have the right information on the spot... when it counts.

In fact, just plug it in, place the receiver in the built-in acoustic coupler, and you're ready to send or receive up-to-the-second information.

The 745 has a new, lightweight companion... the Model 743 KSR terminal. The 743 is a compact keyboard send-receive terminal ideal for stationary computer input/output.

HEAVYWEIGHT



CAPABLE/RELIABLE

The new 743 and 745 are real heavyweights. True to their "Silent 700" heritage, they're fast, quiet and reliable.

The field-proven, thermal printing technique gives you quiet printing at 30 characters-per-second... for a fast, hard copy of crucial information.

At the heart of each unit is a TI microprocessor... the key element contributing to its compactness, high reliability and superior performance capabilities. The Model 745 has a built-in acoustic coupler and optional auxiliary EIA interface capability,

whereas the Model 743 interfaces via TTY, EIA, or optional integral modem.

As with all built-better, backed-better TI products, the new terminals are supported by a nationwide sales and service network.

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MODELS 743 AND 745 GENERAL SPECIFICATIONS

KEYBOARD

CODE: USASCII: 97 codes generated
CHARACTER SET: 64 printable characters;
33 control characters
NUMERIC KEY PAD: Embedded
calculator-style numeric cluster

PRINTER

METHOD: Non-impact, thermal page
printer; 5 x 7 dot matrix
CHARACTER SET: 69 printable characters
(received lower case translated to upper
case)
CHARACTER SIZE: 0.105 in. x 0.080 in.
LINE LENGTH: 8 inches; 10 characters/
inch; 80 characters/line
LINE SPACING: 6 lines/inch
PRINTING RATE: Switch-selectable 10 or
30 characters/second
PAPER: TI thermographic printing paper,
No. 972603 (white); 8½ in. x 100 ft.; last 10
ft. color coded.
PLATEN: Friction feed
VISIBILITY: At least 50 previous lines,
including current line and last character
printed
CARRIAGE RETURN (CR) AND LINE
FEED (LF): Automatic at column 81; no
code is transmitted
CR TIME: 195 msec. (no filler characters
required after CR)
LF TIME: 33 msec. (one character time)

OPERATOR CONTROLS

SPEED: 10/30 characters/second
DUPLEX: Half/Full
X-MIT LEVEL: Low-High
CONTRAST: Light-Dark
PAPER ADVANCE: 30 lines/second while
depressed
NUM: Activates numeric cluster
STATUS: On line/Local

INDICATORS

CARRIER: Carrier detect
BELL: 250 msec. audible tone

PHYSICAL

SIZE: Model 745: Width: 15.4 in.; Depth: 16.0
in.; Height: 4.6 in.; Model 743: Width: 14.6
in.; Depth: 15.25 in.; Height: 4.25 in.
WEIGHT: Model 745: 13.5 pounds (including
paper); Model 743: 11.2 pounds (including
paper)

POWER REQUIREMENTS

VOLTAGE: 115 volts RMS, + 10%-15%
FREQUENCY: 47-63 Hz.
POWER: 75 watts max.

ENVIRONMENT

TEMPERATURE: Operating: 10°C to 40°C;
Storage: -30°C to 70°C (without paper);
-30°C to 40°C (including paper)

HUMIDITY: Operating: 10% to 90% (no
condensation); Storage: 10% to 95% (no
condensation)

SHOCK: Operating: 0 g.; Storage 20 g. for 11
msec.

VIBRATION: Operating: 0.5 g., 10 to 60 Hz.;
Storage: 1.5 g., 5 to 500 Hz.

DATA TRANSMISSION

METHOD: Asynchronous; serial-by-bit,
serial-by-character
CODE: USASCII; 7-level;
11 bits/character
MODE: Half- or full-duplex
PARITY: Optional odd, even or mark; set at
factory
BUFFER: Character buffering on received
data, permitting true 30 characters/second
operation

COMMUNICATIONS INTERFACE

EIA: RS-232-C compatible (Model 743—
standard; Model 745—auxiliary)
TTY: 20 ma. dc-current loop (Model 743 only)
MODEM: Bell System 103/113 compatible
frequency shift keying; originate mode
(Model 743 only)
ACOUSTIC COUPLER: Bell System
103/113 compatible frequency shift keying;
originate mode (Model 745 only)

For more information, contact your nearest
TI office. Or, write Texas Instruments Incor-
porated, P. O. Box 1444, M/S 784, Houston
77001. Or call Data Terminal Marketing at
(713) 494-5115, extension 2126.

OTHER "SILENT 700" HEAVYWEIGHTS

AUTOMATIC SEND-RECEIVE TERMINALS

The field-proven "Silent 700" ASR
terminals combine the high performance of
magnetic tape cassette off-line storage with
the speed and quietness of the "Silent 700"
family in a totally integrated unit. Available

with a variety of options, including 120
characters-per-second transmission speed,
built-in acoustic coupler, remote device
control and automatic search control, the
"Silent 700" ASR terminals offer users a
powerful replacement for conventional ASR
paper tape teletypewriters.

RECEIVE-ONLY TERMINALS

Compact, fast and quiet, the "Silent 700"
RO terminals are ideal as hard copy devices
for minicomputers, CRT's, special purpose
microprocessors, monitoring systems and
data loggers. The RO terminals are available
with USASCII and Baudot/CCITT codes and
either EIA, TTY or bit parallel line interfaces.

733 ASR



743 KSR



755 RO



Texas Instruments reserves the right to make changes at any time in order to improve design and supply the best product possible.

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New portable data terminal from TI 25 pounds...\$2595

The new *Silent 700** MODEL 735 portable electronic data terminal combines light weight and compactness with the 30 characters-per-second speed, quietness and reliability that have made *Silent 700* terminals a standard of comparison.

At 25 pounds – and small enough to fit under a standard airline seat, coach or first class – the Model 735 is one step closer to a briefcase for true portability.

The built-in acoustic coupler puts your computer as close as the nearest



telephone. Standard features include a full ASCII keyboard and auxiliary EIA RS-232-C interface capability.

Now, even more cost effectiveness with new, low quantity one purchase price of \$2595. New lease prices range from \$95 to \$140 per month, including maintenance.

For more information, contact your nearest TI sales office listed below or contact Texas Instruments Incorporated, P.O. Box 1444, Houston, Texas 77001, or call (713) 494-5115, ext. 2126.



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