

Sharp SHARP
ELECTRONIC
DESK
CALCULATOR

WITH

IC

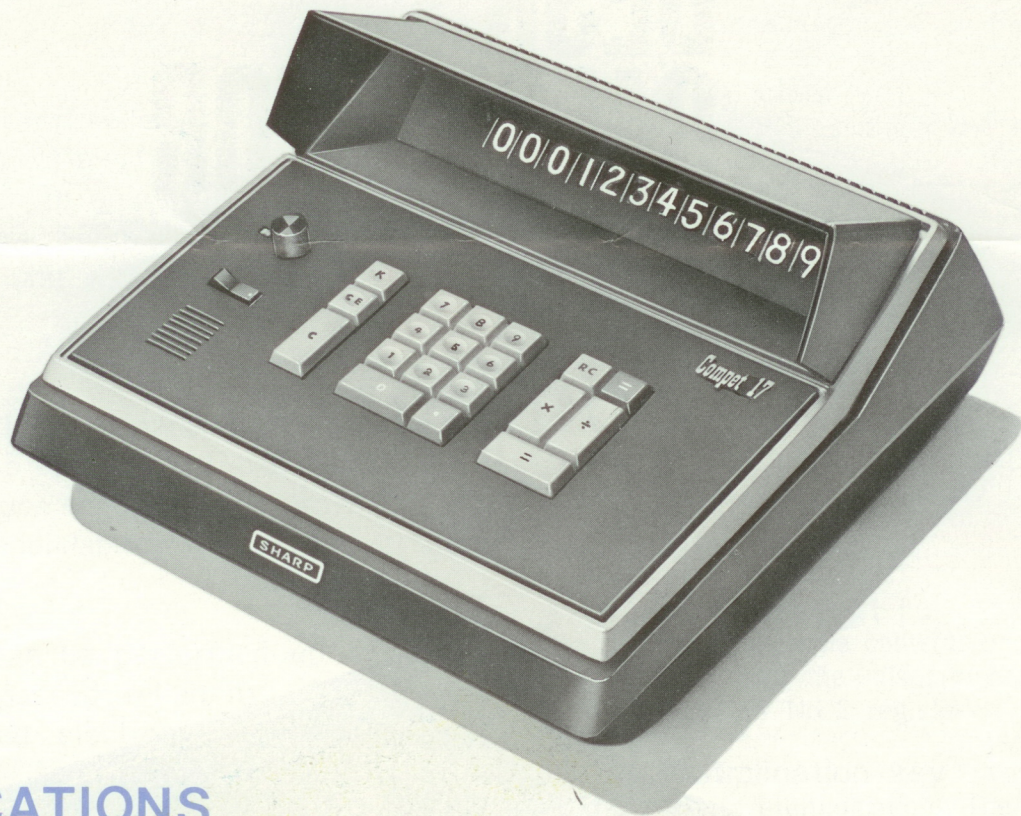
Compet-17



model CS-17B

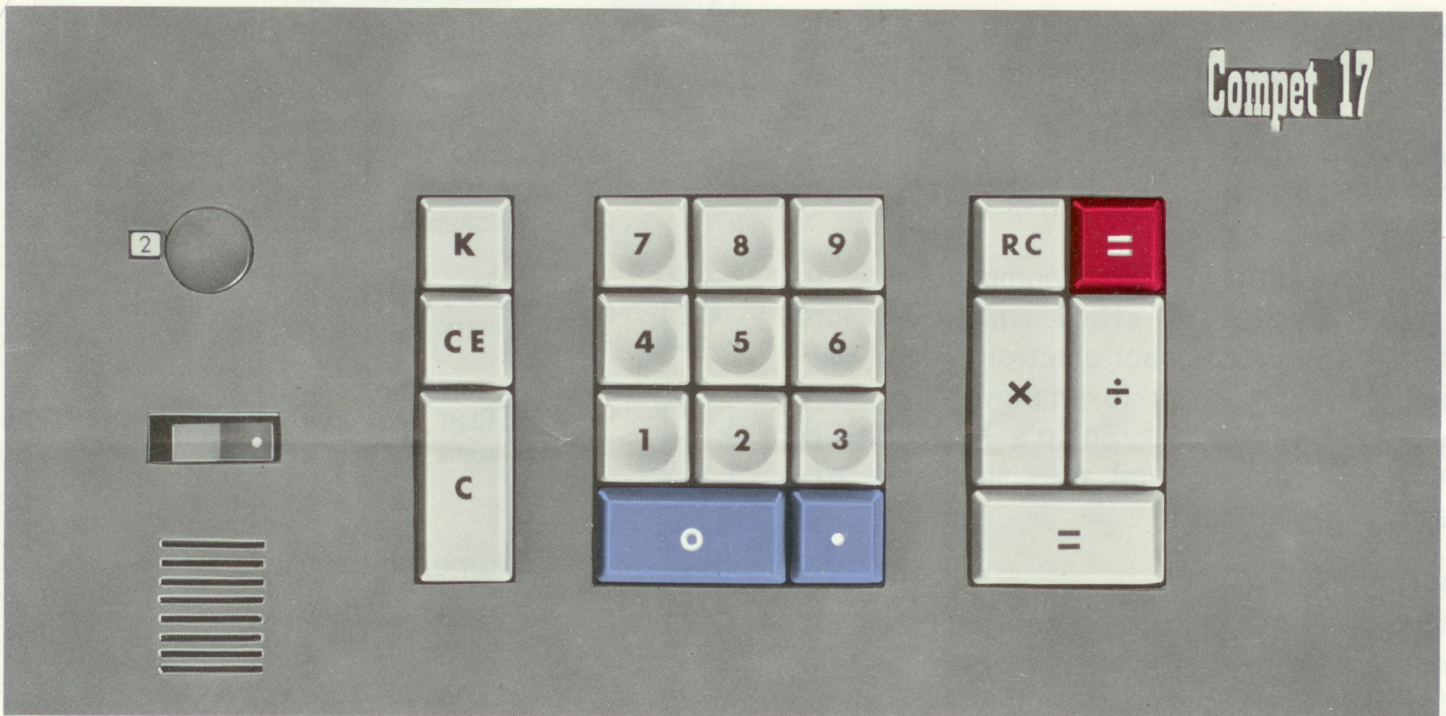
IC

So light you can carry it.....but with the features of a larger calculator—



SPECIFICATIONS

Power source:	AC 100/110/120 or 200/220/240V, 50—60 c/s	Calculation speed:	Addition & subtraction 31 ms Multiplication 328ms Division 364 ms
Capacity:	12 digits, 6 digit decimals	ICs:	56
Addition & Subtraction:	12 digits \pm 12 digits = 12 digits	Transistors:	45
Multiplication:	Total digits of Multiplier and Multiplicand: Up to 12 digits; Product: Up to 12 digits	Diodes:	400
Division:	11 digits \div 10 digits = 11 digits	Clock pulse:	50 KC
Decimal point:	Automatic	Temperature:	0°~40°C (32°F~104°F)
Negative:	Indicated in complement of 10	Power consumption:	11W
		Dimensions:	294mm wide, 117mm high, 317mm deep (11 $\frac{5}{8}$ " wide, 4 $\frac{5}{8}$ " high, 12 $\frac{1}{2}$ " deep)
		Weight:	4 kg (8.8 lbs.)



CALCULATION EXAMPLES

CALCULATIONS	EXAMPLES	STEPS
Addition, subtraction	$35.62 - 0.53 - 40.15 = -5.06$	② 35 ▢ 62 ⊖ 0.53 = 40 ▢ 15 = (⇨ 99...994.94) = ⇨5.06
Multiplication, successive multiplication	$2.2 \times 3.3 \times 4.4 \times 5.5 = 175.6920$	④ 2 ▢ 2 × 3 ▢ 3 ⊖ × 4 ▢ 4 ⊖ × 5 ▢ 5 ⊖ ⇨175.6920
Division, successive division	$256 \div 12 \div 0.56 = 38.095237$	⑥ 256 ÷ 12 ⊖ ÷ 0.56 ⊖ ⇨ 38.095237
Multiplication, division by constant	$11.11 \times 99.99 = 1110.8889$ $33.33 \times 99.99 = 3332.6667$ $44.44 \times 99.99 = 4443.5556$	Ⓚ ④ 11 ▢ 11 × 99 ▢ 99 ⊖ ⇨ 1110.8889 33 ▢ 33 ⊖ ⇨ 3332.6667 44 ▢ 44 ⊖ ⇨ 4443.5556
Exponent calculation	$3^2 = 9$, $3^3 = 27$, $3^4 = 81$	Ⓚ ① 1 × 3 ⊖ ⊖ ⇨ 9 ⊖ ⇨27 ⊖ ⇨81
Mixed calculation	$\frac{(5+12) \times 0.2 + 48 - 16}{4} = 8.85$	④ 5 ⊖ 12 ⊖ × 0.2 ⊖ 48 ⊖ 16 = ÷ 4 ⊖ ⇨8.8500

IC

.....stable performance,
greater versatility, less trouble, lower operation costs...the basic formula of a revolutionary development in electronic circuitry that

CHANGES EVERYTHING

Sharp's "pioneering" in developing the use of integrated circuits in office equipment has produced a truly compact electronic desk calculator. First in Japan to employ IC in electronic desk calculators, Sharp's new CS-17B combines a compact unit with space-age efficiency.

Superior MOS ICs

56 MOS-ICs (Metal Oxide Semiconductor Integrated Circuits), 45 transistors and 400 diodes drastically reduce the number of working parts, increase dependability.

Clear Display Panel

Instant calculations can be performed up to 12 digits with unsurpassed reliability. Snap reading with advanced electronic numerical indicators.

The specially designed shaded display panel plus the accessory shield provided assures the complete visibility without glare from cross lighting.

Tabulation Dial

Specifies desired decimal digits up to 6 decimals.




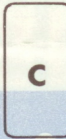





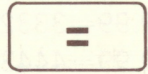

Double-Set Protection Keys

Eliminate error, speed up operation.... no more worry about double-setting keys.

Sophisticated Space-Age Styling

Noiseless, compact and easy to operate Sharp's CS-17B improves working efficiency and enhances modern office decors.

KEY DESIGNATION

-  **Tabulation dial**
Specifies decimal places (0~6)
-  **Constant key**
Used for carrying out calculations by constant. Push to lock the key. Push again to unlock the key.
-  **Entry clear key**
Clears figures mistakenly set.
-  **Clear key**
Clears figures indicated.
-  **Numeral keys**
-  **Decimal point key**
-  **Recall key**
Exchanges the contents of No.1 register (on the display panel) with those of No.2 register.
-  **Multiplication key**
Orders multiplication. The key lamp turns on when the key is touched.
-  **Division key**
Orders division. The key lamp turns on when the key is touched.
-  **Equal key**
Derives sum, product, and quotient.
-  **Red equal key**
Orders subtraction. Also used for setting negative figures. When the difference appears in complement, touch the key again to summon antilogarithm answer.

SHARP ELECTRONICS CORPORATION

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