What does it take to build the world's smallest scientific calculator?

About three hours. And $29.95

Designing the Sinclair Scientific was no small feat of engineering. But you don't have to be an engineer to assemble it with our kit.

Now you can put together the world's thinnest, lightest scientific calculator from eight groups of components, using only a soldering iron and a pair of cutters.

(Complete instructions are included, of course. And our Service Department will help you with any questions that come up.)

For an incredible $29.95, look what the Sinclair Scientific can do:

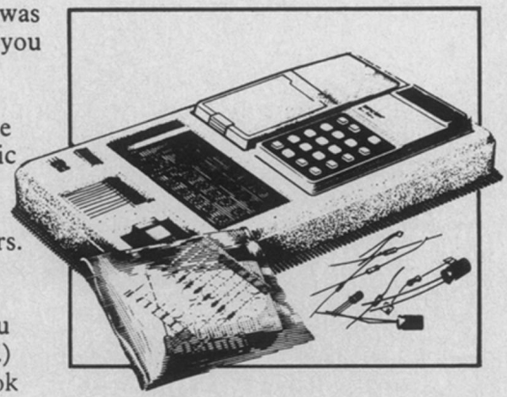
sin and arcsin
cos and arccos
tan and arctan
automatic squaring
automatic doubling
log and antilog (base 10) giving quick access to x^y (including square and other roots)
four basic arithmetic functions
plus scientific notation (10^{-99} to 10^{+99}).

To be a really valuable tool, a scientific calculator must provide *all* of the above.

A calculator without scientific notation severely limits the size of numbers with which you can work easily. And scientific notation without transcendental functions is little more than window dressing on an arithmetic calculator.

Less than ¾-inch thin and 3¾-ounces light, the British-made Sinclair Scientific isn't just portable. It's pocketable.

All parts are tested before shipment — and we guarantee any correctly-assembled calculator for one year. (This guarantee also applies to calculators purchased in assembled form.)



How to get your Sinclair Scientific.

By special arrangement, readers of this publication may order the Sinclair Scientific directly. Just use the coupon below, and we will rush your calculator to you (at our unbeatable price) by return mail.

actual size

Kit Components

Coil
LSI chip
Interface chips
Printed circuit board
Keyboard panel
Electronic components pack
Batteries, battery assembly and on/off switch
Case mouldings, with buttons, windows and light-up display in position
Soft carrying wallet
Comprehensive instructions
Assembly time is about 3 hours.

Specifications

Functions:
4 arithmetic
2 logarithmic
6 trigonometric
Keyboard:
18 key format with 4 "triple-action" function keys
Display:
5-digit mantissa
2-digit exponent
(both signable)
Exponent:
200-decade range, from 10^{-99} to 10^{+99}
Logic:
Reverse Polish, with post-fixed operators
Power Source:
Battery operated with 4 AAA batteries
Size: 4⅜" high; 2" wide; 1 1/16" thick
Weight: 3¾ oz.

sinclair™
SCIENTIFIC
The logical choice.

To: Science News
1719 N Street, N.W. Dept. K-2
Washington, D.C. 20036

Please send me _____ Sinclair Scientific Calculator Kits at $29.95 each (add $3.50 per unit shipping and handling). Units shipped complete with batteries, case and comprehensive instructions. Enclosed is my check or money order for $_____. (For immediate shipment please forward Cashiers Check.) Please allow 3 weeks for shipment if personal check is enclosed. D.C. residents please add sales tax.

NAME _____

ADDRESS _____

CITY _____ STATE _____

ZIP CODE _____

(Due to the uniqueness of this offer no refunds are possible.)

Conversation Pieces

Fact Finding For Decision-Makers

One thing decision-makers rarely lack these days is data. It comes in tidal waves from printing presses and electronic media. It fills warehouses and record centers, overflows their shelves and bursts their file drawers. In the welter of detail, a lot of useful information gets buried.

Computers can help solve the problem or make it worse, depending on how they're programmed. With the right kind of software, people can get the facts they need without floundering in oceans of irrelevant detail.

TRW's Generalized Information Management system (GIM), is exactly that kind of software. Designed specifically to help computer users take advantage of the "data base" method of information storage and retrieval, it makes information available any time, in any format, from terminals connected to phone lines anywhere. Each specialist can have all the detail he needs while managers can get summaries and special reports by asking simple, straightforward, and even unexpected questions.

GIM's user language is powerful: Complex searches are carried out on single commands. The words and grammar are so close to plain English that a clerk, secretary, or busy executive can learn to use GIM in a few hours.

A large insurance company, for example, maintains a GIM data base on industrial accidents. Anyone who needs details on client claims, accident causes, injuries, costs, etc., can get them immediately. Meanwhile executives can use the system to spot anomalies, track trends, improve programs, and gather facts for long-range planning.

For a government agency, GIM keeps current information on regional services and facilities from coast to coast on tap in a centralized data base. It helps administrators meet the varied reporting requirements of their own agency as well as respond flexibly and economically to the information needs of other agencies, Congress, the news media, and the general public.

GIM has proven its reliability over several years of operational performance with data bases that are large both in numbers of items and in numbers of categories. It is one interactive, on-line system that has been thoroughly debugged. For users who need its flexibility, it offers advantages that no other packaged software can match. It's available for use on your own computer, or on an as-needed basis through the facilities of Computer Sciences Corporation, INFONET Division. If you'd like to know more about what GIM may be able to do for you, please write on your business letterhead to:

TRW®
SYSTEMS GROUP

Attention: Marketing Communications, E2/9043
One Space Park, Redondo Beach, California 90278