

Texas Instruments BA-35 Business Analyst (1996)

Date of introduction:	1989	Display technology:	LCD
New price:		Display size:	8 (5 + 2)
Size:	5.3" x 2.8" x 0.45" 135 x 70 x 11 mm ³		
Weight:	2.3 ounces, 64 grams	Serial No:	
Batteries:	2*LR44	Date of manufacture:	wk 10 year 1996
AC-Adapter:		Origin of manufacture:	Italy
Precision:	11	Integrated circuits:	TP0456 /CD4571B
Memories:	1		
Program steps:		Courtesy of:	Joerg Woerner
		Download manual:	 (US: 3.7M Bytes)

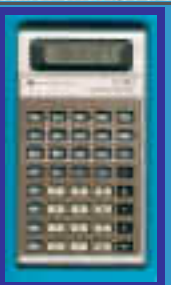
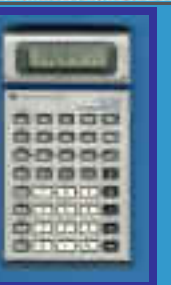


 The BA-35 Business Analyst was introduced already in 1982 as "[BA-35 Student Business Analyst](#)" and received two major redesigns: In 1984 the [BA-35 Student Business Analyst](#) received a new, stylish housing, and in 1989 the appearance changed to the black/red design and the name to [BA-35 Business Analyst](#).

The featured BA-35 Business Analyst was manufactured in March 1996 and is 100% identical with the model introduced in 1989. At first glance no reason to honor this late model, but you have to dig deeper into the history of Texas Instruments calculators of the 90's.

For more than 15 years, with the introduction of the SR-40 and the Business Analyst there were always Scientific and Financial calculator siblings.

Just follow this time line:

Year	1976	1978	1982	1985	1989
SCIENTIFIC					
	SR-40	TI-50	TI-35 silver	TI-30 III	TI-30 Stat
BUSINESS					
	Business Analyst	Business Analyst-II	BA-35 Student Bus. Analyst	BA-35 Student Bus. Analyst	BA-35 Business Analyst

Motivation for these changes were in most cases major progress in the technology of the single-chip calculator circuits or manufacturing cost optimizations. In 1978 Texas Instruments introduced the [first C-MOS calculator chips](#) based on the [TMS1000 Microcomputer family](#). The TP0320 architecture is similar to the TMC0980 chips introduced two years earlier for the TI-30 calculator. In 1981/82 the chips were improved, and Texas Instruments introduced their [enhanced C-MOS calculators chips](#), located e.g. in the TI-30 III and BA-35 Student Business Analyst.

And then, in 1993, we noticed a major change: Texas Instruments introduced a complete line of new calculators based on Toshiba single-chip calculator circuits:

- [TI-30X](#) New display with 10 + 2 digits, 3 memories
- [TI-30X SOLAR](#) With Anylite solar-cells
- [TI-35X](#) Adds 2-dim statistics and hex-calculations
- [TI-36X SOLAR](#) With Anylite solar-cells
- [BA Real Estate Financial](#) calculations

We assumed that Texas Instruments terminated the production of their own C-MOS calculator chips, but dismantling the featured BA-35 Business Analyst reveals a big surprise: The calculator was manufactured in 1996 and uses still the CD4571, introduced already in 1982 and based on technology known from the [SR-16](#) - a scientific calculator manufactured in October 1974.

In 1996 the BA-35 Student Analyst was discontinued and the successor got solar cells, don't miss the [BA-35 Solar](#).

The BA-35 is featured in the Texas Instruments Incorporated sales catalog [CL-1233](#) dated 1994.



If you have additions to the above article please email: joerg@datamath.org.