



DATAMATH CALCULATOR MUSEUM

Solid State Software Modules™



The [TI-58](#) and [TI-59](#) calculators introduced a novelty, the Solid State Software Modules™ with up to 5000 program steps. On the backside of the TI-58/59 you'll note a small lid with a place for a module.

The Master Library, known as "Module -1-", with 25 different programs was included with the TI-58, TI-58C, and TI-59. Twelve additional Solid State Software Modules™, known as "Module -2- to -13-" were available from Texas Instruments as [Standard Modules](#).

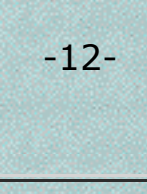
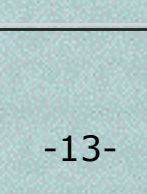
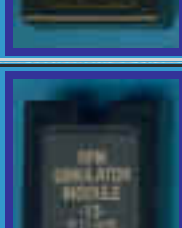
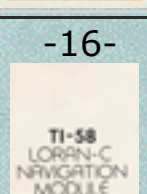
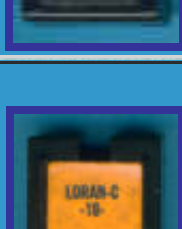
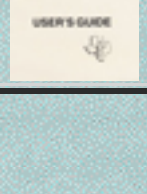
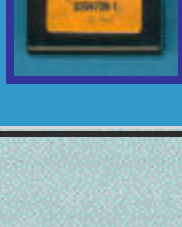
Due to the innovative module concept this calculator was used a lot for application specific purposes. To give an idea of this products view the six insurance fee calculators from [Agrippina](#), [Allianz](#) , [Lloyd](#), [LVM](#), [Nordstern](#), and [Victoria](#). Don't miss the [Bossard](#), [CAL-Q-TAX](#), [EDF](#), [incotax](#), [tax planner](#), [SOVAC](#) and [Chrysler](#) calculators. The [Pool Water Analysis](#) module used a standard TI-58C with a keyboard mask instead the customized keyboard arrangements of the above mentioned products, while the [Kodak Q-700](#) Program Adapter used a snap-on protection cover for the TI-59. Some of these [Commercial Applications](#) were available as a complete solution including the calculator or just the plain Solid State Software Modules™.

We know few [Government Applications](#), e.g. the [USMC Harrier](#) Flight computer and some odd modules for the M29 81mm Mortar labeled "Special Situation".

Don't miss the even greater program collection for the TI-59 resulting from the [Professional Program Exchange](#) (PPX-59) initiative started in 1978.

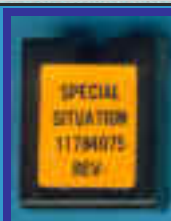
The Solid State Software Modules™ are featured in the Texas Instruments Incorporated bulletins [1033659](#), [1105618](#) and [1103793](#) dated 1979, 1980 resp. 1981.

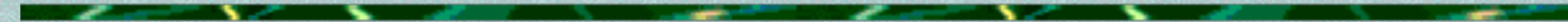
Standard Modules	Description / Application	IC / ROM-Code	Price	Module	Manual	Reference Guide
-1- 	Master Library	TMC0541	free		 (US: 18.0 MByte)	 (US: 2.9 MByte)
-2- 	Applied Statistics	TMC0542	\$40		 (US: 22.9 MByte)	 (US: 3.6 MBytekB)
-3- 	Real Estate Investment	TMC0543	\$40		 (US: 19.0 MByte)	 (US: 2.8 MByte)
-4- 	Surveying	TMC0544	\$40		 (US: 17.9 MByte)	 (US: 4.8 MByte)
-5-						

	Marine Navigation	TMC0545	\$40		 (US: 22.1 MByte)	 (US: 3.8 MByte)
-6- 	Aviation	TMC0546	\$40		 (US: 24.8 MByte)	 (US: 3.6 MByte)
-7- 	Leisure Library	TMC0547	\$40		 (US: 13.9 MByte)	 (US: 3.4 MByte)
-8- 	Securities Analysis	TMC0548	\$40		 (US: 18.9 MByte)	 (US: 3.0 MByte)
-9- 	Business Decisions	TMC0549	\$40		 (US: 21.5 MByte)	 (US: 2.5 MByte)
-10- 	Math Utilities	TMC0550	\$40		 (US: 16.3 MByte)	 (US: 3.3 MByte)
-11- 	Electrical Engineering	TMC0551	\$40		 (US: 23.7 MByte)	 (US: 2.8 MByte)
-12- 	Agriculture	TMC0554	\$55			 (US: 3.7 MByte)
-12- 	surveying / Italy	tbd	tbd			
-13- 	Structural Engineering	TMC0553	\$55			
-13- 	RPN Simulator	TMC0555	\$40		 (US: 7.0 MByte)	
-16- 	Loran-C Navigation	TMC0540 ZA5526	tbd		 (US: 1.9 MByte)	

Commercial Applications	Description / Application	IC / ROM-Code	Price	Module	Manual	Reference Guide
Reynolds	COMPEG 2001	TMC0540 ZA5501	n.a.			

MOD TEN	College Funding calculator	TMC0540 ZA5595	n.a.			
Bossard	Screw Connections	TMC0540 CD5611	n.a.			
COMP-U-SPEC 	Truck Specification Program	TMC0540 CD5628	n.a.			 (US: 1.9 MByte)
WG&L tax planner	Income Tax 1981, 1982	TMC0540 CD5649	n.a.			
Computational Technology	Implant Power Calculation / SRK	TMC0540 CD5650	n.a.			
WG&L tax planner	Income Tax 1983, 1984	TMC0540 CD5704	n.a.			
Allianz 2	Insurance Fee	TMC0540 CD5713	n.a.			
Scot Ware	CL 4 Coomercial Cooling Load Calculation	TMC0540	\$495			
Victoria	Insurance Fee	TMC0540	n.a.			

Government Applications	Description / Application	IC / ROM-Code	Price	Module	Manual	Reference Guide
USMC Harrier	Flight Computer	TMC0540 ZA5502	n.a.			
USMC AV-8C 	Flight Computer	TMC0540 CD5661	n.a.		 (US: 8.6 MByte)	
M29 81mm Mortar		TMC0540 CD5642	n.a.			
M29 81mm Mortar Special Situation		TMC0540	n.a.			



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

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