6TL08

Tabletop Electronics Functional Test & ISP

Features and benefits

- Three configuration levels: Basic, Advanced and Plus
- Three PCB surface dimensions up 500 mm length
- Wide range of test requirements: Functional, Hipot, Boundary Scan and ISP (Flashing)
- YAV Switching modules for maximum signals integrity
- Safety interlocks and E-Stop
- Manual commands operator interface included
- Minimum cost in fixture
- Minimum cost in software development
- Expandable
- Less than 8 hours to a new test implementation
- Cost Effective

The 6TL08 family of electronic card testers has been developed to meet the average production needs at the best cost-effectiveness. It is supplied in 3 different sizes, depending on the maximum dimensions of the product to be checked.

The **BASIC** option allows functional testing, with measurements of voltages and currents in AC and DC up to 600V, resistances, capacities, frequencies. Its main advantage is that the generation of the test program is extraordinarily simple, just fill out the template of a spreadsheet with the steps to check, its acceptable margins and the actions to take if it fails. Normal operation does not require a computer.

This is only necessary for writing and debugging the program and for storing the results.

The **ADVANCED** option also includes an oscilloscope, waveform generator and logic analyser. It works with a built-in personal computer and TFT screen as a graphical interface for program development, debugging and test tracking.

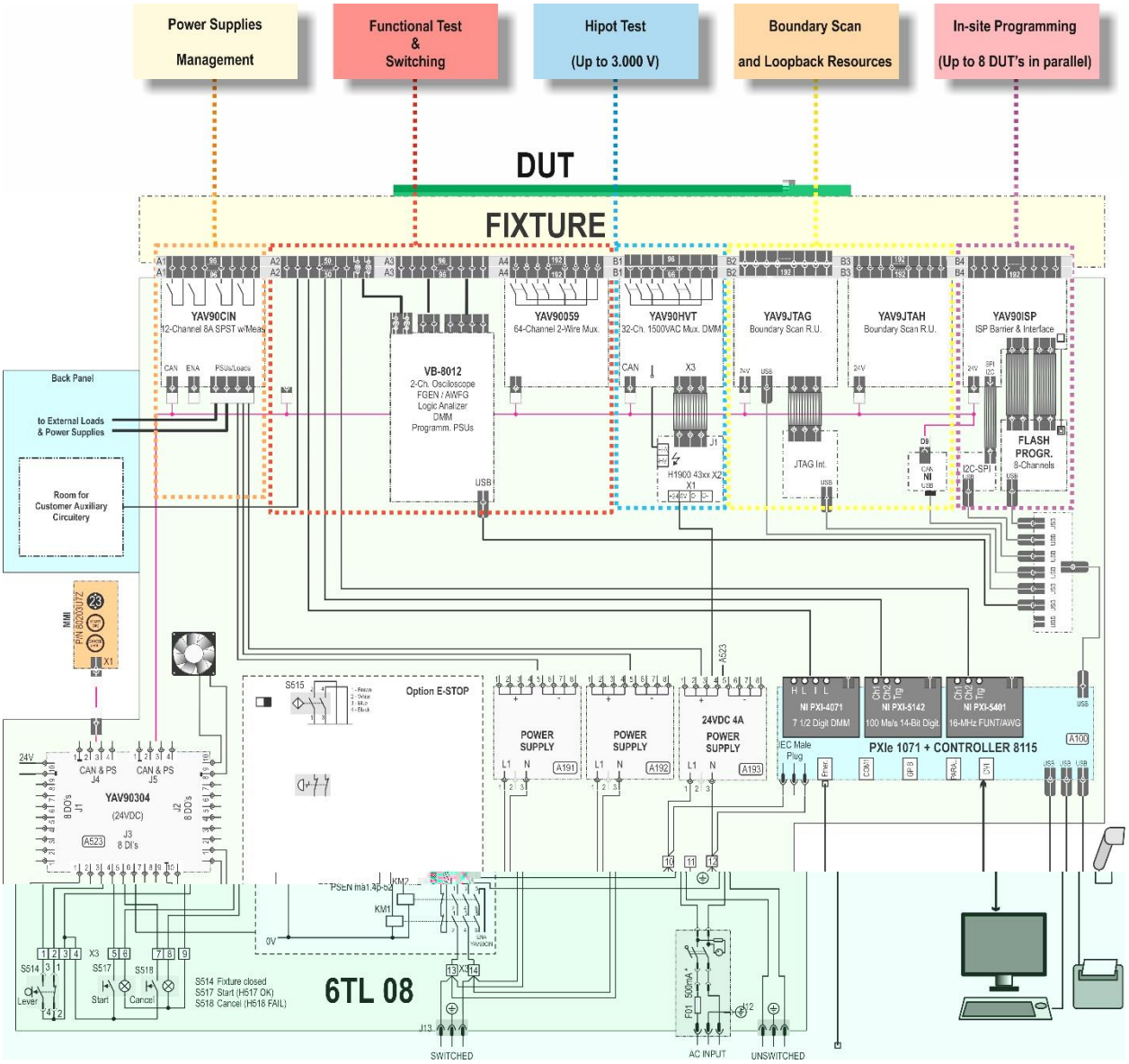
With the **PLUS** option, the system is supplied with a Chassis for PXI modules and can be considered fully open to current and future configurations, simply by expanding the simulation and measurement resources.

All models can incorporate industrial flash memory programmers from 1 to 8 ports.

Application

- Low-Medium volume/high mix production
- Flash Memories programming
- Boundary scan test
- Hipot test (Up to 3kV)
- In-line platforms fixture debugging
- Prototypes test Lab

Blocks Diagram (Option PLUS)



Features

Measurement capabilities	BASIC	ADVANCED	PLUS
AC/DC Digital Voltmeter (V, A, Ohm)	■	■	■
Frequency/Period	■	■	■
Pulse generator		■	■
Wave form generator		■	■
Capacitors measurement	■	■	■
Logic analysis		■	
Power supplies		■	■
Programmable Power Supplies		■	
Free PXI Expansion slots			■
Internal 8-Ports USB Hub		■	■
Resources			
Test points: Standard (Expandable up to…)	16 + 128 (+256)	16 + 128 (+512)	128 (+512)
Power supplies switching relays (8 A)	10	10	10

Order information

Part Number	Supply contents
H710008N0	6TL08 Basic, Size N, w/Multi-Measurement unit & Power supplies switch YAV90PIN
H710008W0	6TL08 Basic, Size W, w/Multi-Measurement unit & Power supplies switch YAV90PIN
H710008X0	6TL08 Basic, Size X, w/Multi-Measurement unit & Power supplies switch YAV90PIN
H710008NA	6TL08 Advanced, Size S w/NI Virtual Bench 8000, IPC, Monitor and Keyboard, USB to CAN Interface
H710008WA	6TL08 Advanced, Size W w/NI Virtual Bench 8000, IPC, Monitor and Keyboard, USB to CAN Interface
H710008XA	6TL08 Advanced, Size X w/NI Virtual Bench 8000, IPC, Monitor and Keyboard, USB to CAN Interface
H710008NP	6TL08 Plus, Size N w/PXI 1071 Chassis & controller, Monitor and Keyboard, USB to CAN Interface
H710008WP	6TL08 Plus, Size W w/PXI 1071 Chassis & controller, Monitor and Keyboard, USB to CAN Interface
H710008XP	6TL08 Plus, Size X w/PXI 1071 Chassis & controller, Monitor and Keyboard, USB to CAN Interface
	Options:
AA414	Emergency Stop kit (Recommended when the test handles >50$V_{AC/DC}$)
AH257	Fixture adapter from 6TL33 to 6TL08
AL417	Fixture adapter from 6TL35 to 6TL08W
	Expansions:
YAV90059	8-Banks Multiplexer configurable: 128-Ch/1-wire, 64-Ch/2-wire, 32-Ch/4 wire or mixed
YAV90ISP	8-Sites In-System-Programming (ISP) relay barrier interface
	Customization:
AR679	Non Recurrent Engineering for platform and/or fixtures customization
to be quoted	Integration (Connection components and man power) OF…..

Spares and Related products

Part Number	Supply contents
AA413	Fixture cassette N (250 x 300 x 45)
AA639	Fixture cassette W (250 x 500 x 45)
AH111	Fixture cassette X (580 x 390 x 45)
	Only for Advanced & plus models
WNPRG01A	WriteNow! 1-Site In-System Programmer
WNPRG02A	WriteNow! 2-Site In-System Programmer
WNPRG04A	WriteNow! 4-Site In-System Programmer
WNPRG08A	
	Only for Plus models
MM77827001	PXI-4072 6 ½ digit DMM
AM987	PXIe-5105 Scope, 60MHz, 12bit, 60Ms/s, 8Ch, 128MB
AN175	PXIe-5413 20-MHz Wave form generator

Dimensions

6TL08	470 x 670 x 345
6TL08W	670 x 670 x 345
6TL08X	580 x 390 x 345

Quick Test Executive Programming software H68002500

	A	B	C	D	E	F	G	H	I	J	K	L	M
1	Step	Ch.OFF	CH. ON	Meas. Name	Meas.	Range	Time	Adquired	Value Exp.	Low limit	High limit	Res.	Fail Action
2	0		1	Main Input	VAC	400V	0	238,51	230,0	75,0%	110,0%	OK	Continue
3	1		2	Power supply	VDC	40,0V	0,1	24,02	24,0	90,0%	105,0%	OK	Continue
4	2	2	3	Led V01	VDC	4,00V	0	1,344	1,3	90,0%	110,0%	OK	Continue
5	3	3	4	Coil Relay K01	VDC	40,0V	0	23,87	24,0	90,0%	110,0%	OK	Continue
6	4	4	5	Contact K01	R	1,00 Ohm	0	0,54	0,5	10,0%	110,0%	OK	Continue
7	5	5	25/96	Activate In01	S16								
8	6	25/96	6	Read Out 1	VDC	40,0V	0	23,91	24,0	90,0%	110,0%	OK	Continue
9	7	6		Man. SW1 ON	MAN								
10	8		7	Read SW1	R	1,00 Ohm	0	0,54	0,5	10,0%	110,0%	OK	Continue
11	9	7	8	Output 01 ON	VDC	40,0V	0	23,87	24,0	90,0%	110,0%	OK	Continue
12	10	8	9	Output 02 ON	VDC	40,0V	0	23,77	24,0	90,0%	110,0%	OK	Continue
13	11	9	10	Output 03 ON	VDC	40,0V	0	23,79	24,0	90,0%	110,0%	OK	Continue
14	12	10	11	Output 04 ON	VDC	40,0V	0	23,75	24,0	90,0%	110,0%	OK	Continue
15	13	11	12	Output 05 ON	VDC	40,0V	0	23,82	24,0	90,0%	110,0%	OK	Continue
16	14	12	13	Output 06 ON	VDC	40,0V	0	* 23,88	24,0	90,0%	110,0%	OK	Continue
17	15	13	14	Output 07 ON	VDC	40,0V	0	23,71	24,0	90,0%	110,0%	OK	Continue
18	16	14	15	Output 08 ON	VDC	40,0V	0	23,74	24,0	90,0%	110,0%	OK	Continue