



It Can test gates, buffers and decoder ICs in-circuit. IC test clip is optionally provided with which the IC could be tested without removing from board. A maximum of six logic inputs could be driven and three logic outputs could be monitored in-circuit testing mode (F9)

It is the latest Microcontroller based UNIVERSAL IC TESTER. It functionally tests a wide variety of Analog / Linear ICs including Microprocessor, Microcontrollers, EPROMs, Peripheral devices apart from 74 series of TTLICs and 40/45 series of CMOS ICs.

FEATURES:

- No personality cards /reference IC / IC Data required.
- ONE mode to test IC Once
- CON Mode to test IC continuously
- STEP mode to test step by step
- Buzzer to indicate bad ICs
- Reliable PC Keyboard to enter IC number and commands
- Potential free 40 pin ZIF socket for easy insertion of IC under test
- Protection against wrong insertion
- Simple cable tester with learn facility.
- Alphanumeric 40 x 2 backlit LCD for displaying messages
- RS 232 serial interface expansion of IC Test Library
- Built in self Test to test hardware, display, Keyboard and buzzer
- Built in Word processor mode which converts system into an Electronic typewrite
- Indigenously developed universal pin driver technology used
- Help message through F1 key

One System Many Functions.

- IC Tester
- Word Processor
- μ C Development system
- Simple Cable Tester

Note: Specifications are subject to change.

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Universal IC Test Library Digital ICs

MICROPROCESSORS	8085, 8400 (Z80 CUP), 6502
MICROCONTROLLERS	MCS-51 µCs (8031/8051/8751/8951/8032/8052/8952)
PERIPHERAL ICs	All commonly used Peripheral ICs 8255,8279,8253, 8251, 8259, 8155etc.
EPROMs	27 series of EPROMs (Blank Check only) 2716, 2732, 2764, 27128, 27256, 27512, 27010, 27020, 27040, 27080
EEPROMs	28 series of EEPROMs (Blank Check only) 2816, 2864, 2865, 28256, 52833
CMOS RAMs	6116, 6264, 62256, 628128, 48202, 48Z08, 1220

74 series of TTL/Cs

7400	7401	7402	7403	7404	7405	7406	7407	7408	7409	4000	4001	4002	4006	4008	4009
7410	7411	7412	7413	7414	7415	7416	7417	7418	7419	4010	4011	4012	4013	4014	4015
7420	7421	7422	7424	7425	7426	7427	7428	7430	7432	4016	4017	4018	4019	4020	4021
7433	7437	7438	7439	7440	7442	7443	7444	7445	7446	4022	4023	4024	4025	4026	4027
7447	7448	7451	7454	7459	7464	7470	7472	7473	7474	4028	4029	4030	4032	4033	4034
7475	7476	7477	7480	7482	7483	7485	7486	7487	7490	4035	4037	4038	4040	4041	4042
7492	7493	7494	7495	7496	74102	74103	74106	74107	74108	4043	4044	4049	4050	4051	4052
74109	74112	74113	74114	74121	74122	74123	74125	74126	74125	4053	4063	4066	4068	4069	4070
74132	74133	74134	74135	74136	74137	74138	74139	74140	74145	4071	4072	4073	4075	4076	4077
74147	74148	74150	74151	74152	74153	74154	74155	74156	74157	4078	4081	4082	4085	4086	4093
74158	74160	74161	74162	74163	74164	74165	74166	74168	74169	4094	4095	4096	4099	40101	40102
74170	74173	74174	74175	74176	74177	74180	74181	74182	74190	40103	40104	40106	40107	40117	40147
74191	74192	74194	74195	74196	74197	74198	74199	74221	74240	40160	40161	40162	40163	40174	40175
74241	74242	74243	74244	74245	74247	74248	74249	74251	74253	40182	40192	40193	40194	40195	40257
74256	74257	74258	74259	74260	74266	74273	74279	74280	74283	40518	4501	4502	4503	4506	4508
74290	74293	74295	74298	74299	74347	74350	74352	74353	74364	4510	4511	4512	4513	4514	4516
74365	74366	74367	74368	74373	74374	74375	74377	74393	74423	4518	4519	4520	4529	4530	4531
74447	74490	74534	74540	74541	74363	74364	74573	74574	74640	4532	4543	4553	4554	4555	4556
74641	74642	74645	74670	74541						4560	4561	4572	4584	4585	

40 and 45 series CMOS/Cs

Operational Amplifiers

LM101, LM107, LM108, LM112, LM124, LM143, LM144, LM148, LM149, LM158, LM192, LM201, LM207, LM208, LM212, LM216, LM224, LM248, LM249, LM258, LM292, LM301, LM307, LM308, LM 312, LM316, LM324, LM343, LM348, LM349, LM351, LM356, LM357, LM358, LM392, LM709, LM714, LM725, LM741, LF747, LM748, LM1458, LM1558, LM2902, LM2924, LM 3301, LM3401, HA17080, HA17082, HA17083, HA17084, HA17301, HA17324, HA17358, HA117458, HA17474, HA17558, HA17741, HA17747, HA17747, HA17902, HA17904, UCOPO1, UCOPO2, CA3130, CA3140, TL074, TL084.

Comparators

ULN2001, ULN2002, ULN2003, ULN2004, ULN2005, ULN2064, ULN2065, ULN2066, ULN2067, ULN2068, ULN2069, ULN2074, ULN2075, TD62501, TD62502, TD62503, TD62504, TD62505, TD62506, TD62507, 75064, 75065, 75066, 75067, 75068, 75069, 75074, 75075, 75430, 75446, 75447, 75448, 75449, 75450, 75460, 75465, 75466, 75467, 75468, 75469, 75470, 75491, 75492.

Transistor Arrays

LM106, LF11, LM119, LM139, LM160, LM161, LM198, LM206, LM211, LF211, LM219, LM239, LM260, LM261, LM293, LM311, LF311, LM319, LM339, LM360, LM361, LM393, LM710, LH2111, LH2211, LH2311, LM2901, LM3302, HA17339, HA17393, HA17901, HA17903,

DPM ICs

: 7107, 7135
V TO F CONVERTER : LM331, LM231, LM131
WAVEFORM GENERATOR : 8038
CROSS POINT SWITCHES : CD22100, CD42100
PWM GENERATOR : SG3524

OPTOCOUPERS

MCT2, MCT2E, MCT6, MCT6E, 4N25, 4N26, 4N27, 4N28, 4N32, 4N33, 4N35, 4N36, 4N37, 6N135, 6N136, 6N137, 6N138, 6N139, TIL111, TIL112, TIL113, TIL114, TIL115, TIL116, TIL117, TIL118, TIL119, TIL127, TIL128, TIL153, TIL154, TIL155, TIL156, TIL157, TIL181, TIL189, TIL190, MOC3009, MOC3010, MOC3011, MOC3012, MOC3020, MOC3021, MOC3022, MOC3023, HCPL2502, HCPL2601, HCPL2630, OP18012, OP18013, OP18014, Op18015.

ANALOG SWITCHES/MULTIPLEXERS

CD24016, CD4066, CD4051, CD4052, CD4053, HI200, HI201, HI300, HI301, HI302, HI303, HI304, HI305, HI306, HI307.

VOLTAGE FOLLOWERS

LM102, LM202, LM302 LM110,, LM210, LM310, LM2110, LM2210, LM2310.

Timers

LM555, NE555, HA17555

A TO D Converters

ADC801, ADC802, ADC803, ADC804, ADC809

D TO A Converters

DAC0800, DAC0806, DAC0807, DAC0808, HA17008R, HA17408,

MISCELLANEOUS LINEAR ICs

75182, 75183, 75189, DS7820A, DS7830, DS8820A, DS8830, MC1489

It has facility for expansion of test library through RS232C serial interface. If the data sheets of the new IC is furnished along with sample ICs, we could develop the testing program if the IC is testable. After downloading this test program in the tester, the new IC could be tested.

Technical Specifications:

- Test Range Digital Analog/Linear ICs 6, 8, 14, 18, 20, 24, 28 & 40 Pin in dual in line (DIP) package
- Socket 40 Pin Universal type ZIF (Zero Insertion Force)
- Display 40 x 2 Backlit alphanumeric LCD display
- Keyboard External IBM-PC PS/2 keyboard
- Voltage 230V, AC 50Hz ± 10%
- Enclosure Sheet Metal cabinet with powder coating and Engraving

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