



### Features

#### DIGITALIC's

- Tests a wide range of Digital IC's such as 74 Series, 40/45 Series of CMOS IC's.
- It can test Microprocessor 8085, 8086, Z80.
- It tests Peripherals like 8255, 8279, 8253, 8259, 8251, 8155, 6264, 62256, 8288, 8284.
- It tests a wide range of Analog IC's such as ADC, DAC, Opamp, 555, Transistor Arrays, Analog Switches, Waveform Generator, Line Drivers, Voltages Regulators, PLL's, VCO, PWM Generator, Sample & Hold, Voltages References, Opto couplers, Comparators, Voltages Followers and Others.
- It tests Seven segment display of common cathode & common anode type
- It has Auto search facility for Digital IC's.
- Test by: Truth table/sequence table comparison.
- ZIF: Two Nos. of 40 pin DIP ZIF sockets for Digital & Analog IC's.
- Keys: 50 cherry keys Key pad with numerical & functional keys.
- Display: 16x2 Backlit LCD Display
- Supply Input Voltage: 230V AC.

### Device Supports

#### T.T.L. 74XXX series

7400 7401 7402 7403 7404 7405 7406 7407 7408 7409 7410 7411 7412  
7413 7414 7415 7416 7417 7418 7419 7420 7421 7422 7423 7424  
7425 7426 7427 7428 7430 7432 7433 7437 7438 7439 7440 7442  
7443 7444 7445 7446 7447 7448 7449 7450 7451 7453 7454 7462  
7464 7465 7470 7471 7472 7473 7474 7475 7476 7478 7483 7485  
7486 7489 7490 7491 7492 7493 7495 7496 7497 74107 74109 74112  
74113 74114 74116 74121 74122 74123 74125 74126 74128 74132  
74133 74134 74135 74136 74137 74138 74139 74140 74141 74145  
74147 74148 74150 74151 74152 74153 74154 74155 74156 74157  
74158 74159 74160 74161 74162 74163 74164 74165 74166 74168  
74169 74170 74172 74173 74174 74175 74176 74177 74180 74181  
74182 74183 74184 74185 74189 74190 74191 74192 74193 74194  
74195 74196 74197 74198 74221 74238 74240 74241 74242 74243  
74244 74245 74246 74247 74248 74249 74251 74253 74256 74257  
74258 74259 74260 74266 74273 74279 74280 74283 74290 74293  
74298 74299 74322 74340 74341 74344 74347 74348 74350 74351  
74352 74353 74354 74365 74366 74367 74368 74373 74374 74375  
74377 74378 74379 74381 74382 74386 74390 74393 74395 74398  
74399 74412 74423 74425 74426 74445 74447 74490 74521 74534  
74540 74541 74543 74544 74563 74564 74573 74574 74575 74577

74580 74589 74590 74591 74595 74596 74620 74621 74622  
74623 74638 74639 74640 74641 74642 74643 74645 74646  
74647 74648 74649 74652 74668 74669 74670 74688 74689  
74786 74800 74802 74804 74805 74808 74832 74841 74874  
74901 74902 74903 74904 74906 74C923 74C925 74C926  
74C927 74C928 74C929 74989 741244 741245 741623 741621  
741639 741640 741641 741642 741643 741644 741645 743037  
743038 74H01 74LS51 74H54 74L54 74L71 74H71 74LS73  
74LS76 74LS78 74L85 74L86 74C89 74L93 74L95 74LS107  
8280 8281 8290 8291

#### CMOS (40/45 XX SERIES)

4000 4001 4002 4006 4007 4008 4009 4010 4011 4012 4013 4014  
4015 4017 4018 4019 4020 4021 4022 4023 4024 4025 4026 4027  
4028 4029 4030 4031 4032 4033 4034 4035 4038 4040 4041 4042  
4043 4044 4047 4048 4049 4050 4054 4055 4056 4060 4063 4067  
4068 4069 4070 4071 4072 4073 4075 4076 4077 4078 4081 4082  
4085 4086 4093 4094 4095 4096 4098 4099 40105 40106 40107  
40109 40147 40160 40161 40162 40163 40174 40175 40181  
40182 40192 40193 40194 40195 40244 40245 40257 40373  
40374 40097 40098 4490 4502 4503 4504 4506 4507 4508 4510  
4511 4512 4514 4515 4516 4518 4519 4520 4522 4526 4527 4528  
4531 4532 4534 4538 4539 4541 4543 4544 4555 4556 4558 4562  
4566 4572 4584 4585 4599 4723 4724 4727 4801 5801

#### CPU

8085 8086 V20 8088 8400(Z80) 6502 65C02 65SC02 8035 8039  
8748 8749

#### PERIPHERAL

8155 8156 8205 8212 8216 8226 8237 8251 8253 8254 8255 8257  
8259 8279 8282 8283 8284 8286 8287 8288 8250 82450 6350 6820  
6821 6822 6840 6844 6845 6850 6851 6852 6854 6520 6521 6522  
6524 6551 65C51 8420(Z80-PIO) 8430(Z80-CTC) 8440 (SIO-0)  
8441 (SIO-1) 8442 (SIO-2) 8449 (SIO-90) 1852 1871 1879 2681

#### MEMORY

2102 2114 2115 2125 2149 6116 6264 62256 621024 9101 91L22  
93412 93422 93425 4256 41256 5025

#### REAL TIME CLOCK

1879 5832 58167 82C8167 DS1287

#### PHASE FREQUENCY DETECTOR

MC4044 Mc4344

#### DECODER/ENCODER

1441 1442

#### SUPERVISORY CIRCUITRY

Dallas 1231 1232

#### SEVEN SEGMENT DISPLAY

LT542 LT543

#### OSCILLATOR/DIVIDER

5369

#### LINEARIC'S

#### ANALOG TO DIGITAL CONVERTER

ADC0800 ADC0801 ADC0802 ADC0803 ADC0804 ADC0805  
ADC0808 ADC0816 ADC0817 AD574 7109 3162 ADC0809

Note: Specifications are subject to change.

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**DIGITAL TO ANALOG CONVERTER**

DAC08 DAC0800 DAC0801 DAC0802 DAC0808 DAC1408  
DAC1508 DAC558 DAC1020 DAC1021 DAC1022 DAC1220  
DAC1221 DAC1222 DAC7520 DAC7521 DAC7523 DAC7524  
DAC7530 DAC7531 DAC7533 DAC7541

**COMPARATOR**

106 111 160 193 211 260 293 311360 393 2903 17393 Ca3290  
111 119 139 161 211 219 239 261 311 319 339 361 2901 3302  
17339 521 522 527 529 2111 2211 2311

**OP-AMP**

AD548 AD648 AD707 AD708 AD711 AD712 AD744 Ad746  
AD821 AD845 AD846 AD847 AD848 AD849 CA081 Ca082  
CA307 CA3100 CA3130 CA3140 CA3193 CA3240  
CA3160CA3260 LF 351 353 386 412 442 LM 10 11 101 107 108  
112 118 143 155 156 157 158 201 207 208 212 218 255 256 257  
258 301 307 308 312 318 343 355 356 357 358 411 441 530 531  
532 538 714 725 741 748 1458 1558 2904 3080 33181 4250 4558  
5204 5205 5230 5512 5532 5534 5535 13741 17301 17741 17458  
17558 OP05 OP07 OP21 OP27 OPA121 OPA602 OPA606  
OPA11 TL061 TL062 TL071 TL072 TL081 TL082 LT1013 709  
1709 7611 7612 7621 AD713 AD840 AD841 AD842CA084 LM  
11 101 107 108 112 118 124 147 148 149 201 207 208 212 218 224  
248 249 301 307 308 312 318 324 347 348 349 442 444 534 725  
741 747 748 2900 2902 3303 3403 3503 5514 17301 17741  
TL064 TL074 TL084 OPA404 7641 7642 LT1014524 5533

**VOLTAGE FOLLOWER**

110 210 310 102 110 202 210 302 310

**LINE DRIVERS & RECEIVER**

1488 1489 3486 3487 75107 75108 75110 75114 75121 75174  
75175 75176 75182 75183 75188 75189 75450 75451  
7545275453 75454 75477 75491 75492 75494 7820 7830 7831  
7832 8820 8830 8831 8832 26LS31 26LS32 96174 96175  
145406 10125

**TRANSISTOR ARRAY**

394 CA3028 CA3046 CA3053 CA3054 CA3146  
CA3083CA3086 ULN2001 ULN2003 ULN2004 ULN2005  
ULN2015 ULN2011 ULN2013 ULN2014 ULN2021 ULN2023  
ULN2024 ULN2069 ULN2025 ULN2064 ULN2065 ULN2068  
ULN2801 ULN2803 ULN2815 ULN2804 ULN2805 ULN2811  
ULN2813 ULN2814 ULN2821 54566 ULN2823 ULN2824  
ULN2825 L601 L603 L604

**ANALOG SWITCH**

4016 4051 4052 4053 4066 6108 6208 11201 11202 11331 11508  
11509 13201 13202 13331 11332 13332 13508 13509 14016  
14051 14052 14053 14066 DG200 DG201 DG202DG308  
DG309 DG211 DG212 DG506 DG507 DG508 Dg509

**WAVEFORM GENERATOR**

8038

**TIMER**

555 556 7555

**PLL**

565 567N 4046

**VCO**

131 231 331 131A 231A 331A 4151 566N

**SAMPLE AND HOLD**

198 298 398 5537

**PWM GENERATOR**

1524 2524 3524 494 594 3525

**DPMIC**

7106 7107 7116 7117 7126 7136 7137

**OPTO-COUPLER**

4N25 4N26 4N27 4N28 4N32 4N33 4N35 4N36 4N37 4N38 6N135  
6N136 6N137 6N138 6N139 6N140 CNY171 CNY172 CNY173  
H11A1 H11C1 H11C4 H11D1 H11D2 H11G1 H11G2 MCT2 MCT2E  
MCT6 MCT26 MCT210 MCA230 MCA231 MCA255 MOC3006  
MOC3010 MOC3020 MOC3021 MOC3022 MOC3023 MOC3030  
MOC3040 MOC3041 MOC3061 MOC3063 TIL111 TIL112 TIL113  
TIL114 TIL115 TIL116 TIL117 TIL118 TIL119 TIL126 TIL155  
HCPL 2531 26312731 2502 2602 2601 2630 3700 SFH600\_0  
SFH600\_3 SFH610\_1 SFH610\_2 SFH611\_1 SL5500 SL5501  
PC817PS2041 2501 EECF

**CROSS POINT SWITCH**

22100 22101 42100 45100

**LATCH DRIVER**

UCN4801 UCN5801

**VOLTAGE REGULATOR**

7805 78L05 78M05 78T05 7806 7808 7812 7815 7824 7905 79L05  
79M05 7906 7908 7915 7918 117 117L 117M 217 217L 217M 317  
317L 317M 337 18512 28512 38512 18525 2852538525 2930 2931  
723

**VOLTAGE REFERENCE**

185\_1.2 185\_2.5 285\_1.2 285\_2.5 385\_1.2 385\_2.5

**DOT/BAR Display Driver**

3914 3915

**OPAMP AND COMPARATOR**

192 292 392 2924

**OVER VOLTAGE CROWBAR SENSING CIRCUIT**

3423 3523

**LED FLASHER**

3909

**FREQUENCY TO VOLTAGE CONVERTER**

2907 2917.

**WAVEFORM GENERATOR**

8038

**TIMER**

555 556 7555

**PLL**

565 567N 4046

**VCO**

131 231 331 131A 231A 331A 4151 566N

**SAMPLE AND HOLD**

198 298 398 5537

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