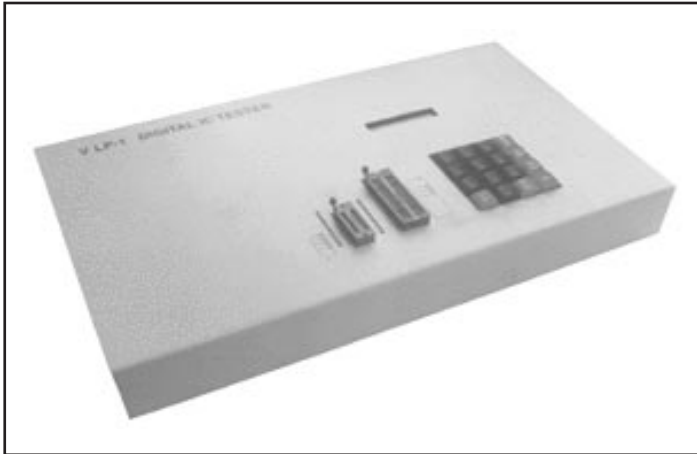


VPL-DICT

Digital IC Tester



VPL-DICT is a designed powerful tool for manufacturers, servicing engineers, R&D personnels to test a wide range of IC's of Digital upto 40 pins in DIP package.

FEATURES

- Tests **microprocessors & peripheral ICs**.
- Automatic testing of IC. No wiring or reference IC or data required.
- Protection against wrong insertion.
- Repeated testing of same IC without re-entering the IC number.
- Displays good digital IC number upto 20 pins, if unknown, with probable equivalents.
- Step function to pinpoint problem pin through discrete LEDs for ICs upto 20 pins.
- Continuous testing facility.
- Appr. current drawn display for good ICs.
- Buzzer sounds for bad IC.
- Self test.

SPECIFICATIONS

- **IC PACK** : Digital ICs upto 40 pins in DIP package.
- **IC TYPE** : Tristate, open collector & bidirectional ICs.
- **TEST BY** : Truth table/sequence table comparison.
- **ZIF** : 20 and 40 pin DIP ZIF sockets.
- **KEY** : 16 keys.
- **DISPLAY** : 16 x 1 line LCD display.
- **SUPPLY VOLTAGE** : 230V AC.

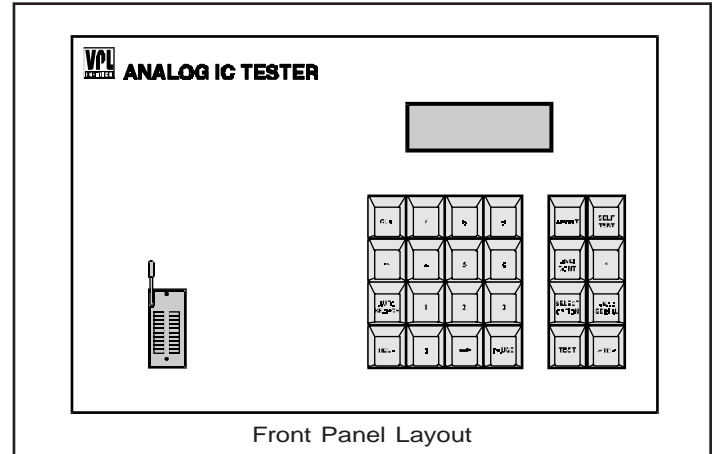
TEST LIBRARY

It tests all the **Digital ICs** listed in the Test Library of **VPLIC-UICT** such as **74 Series, 40/45 Series of CMOS ICs, 93/96 Series, Microprocessor, EPROM, RAM** and other Digital ICs.

Note: Specifications can be changed and added without notice in our constant efforts for improvement.

VPL-AICT

Analog IC Tester



VPL-AICT is a designed powerful tool for manufacturers, servicing engineers, R&D personnels to test a **wide range of Analog ICs upto 20 pins in DIP package**.

FEATURES

- Functional testing of analog ICs for good or bad.
- Automatic testing of IC. No wiring or reference IC or data required.
- Repeated testing of same IC without re-entering the IC number.
- Step function displays faulty output pin number on display.
- Continuous testing facility.
- Displays alphabets of IC number on entering numbers through keyboard.
- On display help for keyboard functions.
- Self test.
- Buzzer sounds for bad IC.

SPECIFICATIONS

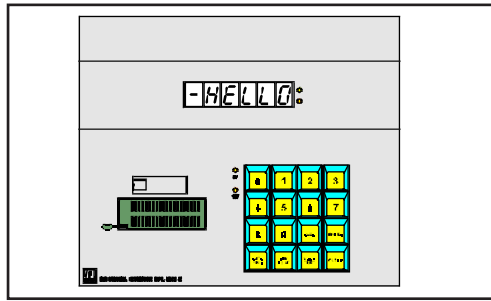
- **IC PACK** : Analog ICs upto 20 pins in DIP package.
- **IC TYPE** : Analog ICs as per list.
- **TEST BY** : Functional test of output for various input conditions.
- **ZIF** : 20 pin DIP ZIF socket.
- **KEY** : 24 keys.
- **DISPLAY** : 16 x 1 line LCD display.
- **SUPPLY VOLTAGE** : 230V AC.

TEST LIBRARY

It tests all the **Analog ICs** listed in the Test Library of **VPLIC-UICT** such as **Operational Amplifiers, Comparators, Transistor Arrays, Opto Couplers, Analog Switches/Cross Point Switches & Multiplexers, Voltage Followers, Timers, A to D Converters** and other General Analog ICs.

VPL-UICT-S

Universal IC Tester



FEATURES

- ❑ Tests most of the 6 to 40 pin ICs in DIP package. The list includes 74/54, 40/45, 93/96 series ICs, EPROMs, RAMs, peripheral ICs, microprocessor (8088/8085/Z80/6502), operational amplifiers, voltage comparators, transistor arrays, optocouplers, analog switches, voltage followers, timers, A to D converters, D to A converters and miscellaneous analog ICs.
- ❑ Automatic testing of variety of ICs.
- ❑ Potential free 40 pin universal ZIF socket.
- ❑ Six Seven Segment Display to show IC number, PASS & FAIL Status, Operations display.
- ❑ It has 16 keys for its operation.
- ❑ Audio alarm to user whenever it is required.

TEST LIBRARY

CMOS ICs (40 Series): 00 01 02 06 07 08 09 010 11 12 13 14 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 32 33 34 35 38 40 41 42 43 44 47 48 49 50 51 52 53 54 55 56 60 61 63 66 67 68 69 70 71 72 73 74 75 76 77 78 81 82 85 86 89 93 94 95 96 97 98 99 101 102 103 106 107 109 110 147 160 161 162 163 174 175 192 193 194 195

CMOS ICs (MC140) : MC140

CMOS ICs (45 Series): 01 02 03 06 08 10 11 12 13 14 15 16 18 19 20 29 30 31 32 37 38 39 41 43 44 47 51 55 56 58 59 60 61 72 81 82 84 85 99

CMOS MC : MC145

Opto Couplers : 507 5072 5073 617 627 637 521-1 521-2 521-3 521-4 621 622 624 036 817 827 837 847 810 812 818 504 880 885 066 074 829 504 614 714 509 519 532 632 503 613 713 508 531 027 034 836 212 825 830 831 836 026 210 111 112 113 114 115 116 117 118 723 5121 270 271 272 273 274 275 276 277 017 075 703 631 535 068 815 835 845 618 551 505 515 570 715 716 890 850 855 860 865 230 231 255 119 571 4N25 4N26 4N27 4N28 4N35 4N36 4N37 4N29 4N30 4N31 4N32 4N33 4N38

TTL 74/54 Series : 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 30 31 32 33 34 35 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 53 54 55 58 60 63 64 65 68 69 70 72 73 74 75 76 77 78 80 82 83 85 86 89 90 91 92 93 94 95 96 100 104 105 107 109 110 111 112 113 114 116 121 122 123 125 126 128 131 132 133 134 135 136 137 138 139 140 141 142 145 147 148 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 173 174 175 176 177 178 179 180 181 182 183 184 185 189 190 191 192 193 194 195 196 197 198 199 211 213 219 226 230 231 237 238 239 240 241 242 243 244 245 246 247 248 249 251 253 255 256 257 258 259 260 261 265 266 273 274 276 278 279 280 283 284 285 289 290 293 295 298 299 319 322 323 347 348 350 351 352 353 354 356 363 364 365 366 367 368 373 374 375 376 377 378 379 381 382 386 388 390 393 395 396 398 399 425 426 440 441 442 443 444 445 447 465 466 467 468 490 502 503 518 519 520 521 522 533 534 537 538 539 540 541 542 543 544 545 563 564 568 569 573 574 575 576 577 580 588 589 590 594 597 604 605 620 621 622 623 638 639 640 641 642 643 644 645 646 647 648 651 652 653 654 655 656 657 658 659 664 665 668 669 670 674 675 676 677 678 679 680 682 683 684 685 686 687 688 689 700 730 731 734 795 796 797 798 804 805 808 821 822 823 824 825 826 832 841 842 843 844 845 846 990 991 992 993 994 995 996

75/55 Series : 107 108 113 121 122 123 124 125 127 128 129 136 138 151 153 159 158 160 172 173 174 175 176 177 178 183 189 401 402 403 404 411 412 413 414 416 417 418 419 430 431 432 433 434 437 446 447 448 449 450 451 452 453 454 455 470 471 472 473 474 491 492 496 497 498 1831 1908 2002 2003 2004 2016 2114 2631 2632 3486 3487 5072 5073 5102 5103 5104 5121 5122 5211 5212 5213 5214 6116 6264 6880 6887 6888 6889 6810 6821 6820 6840 6520

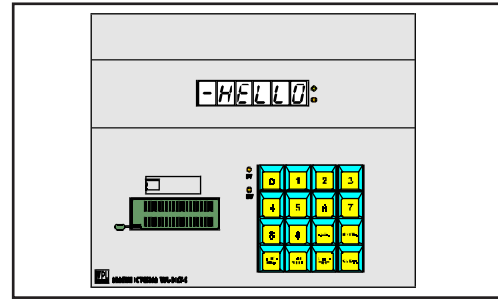
Microprocessor, EPROM, RAM and other digital ICs : 8255 8155 8156 8243 8253 8254 8212 8226 8205 8031 8051 8052 8032 8035 8039 8048 8049 8259 8282 8283 8286 8287 8279 8751 8752 8749 8816 2085 2800 2716 2732 2764 27128 27256 27512 2864 2817 2816 2802 2803 2804 62256 22100

001 002 003 004 005 006 007 008 017 026 027 031 034 035 036 043 044 061 066 068 074 075 111 112 113 114 115 116 117 118 119 139 201 210 212 230 231 239 255 270 271 272 273 274 275 276 277 308 324 339 393 425 426 427 428 429 430 431 432 433 435 436 437 438 503 504 505 506 507 508 509 515 519 531 532 535 551 555 556 570 571 613 614 617 618 621 622 624 627 631 632 637 703 713 714 715 716 723 802 810 812 815 817 818 820 825 826 827 829 830 831 835 836 837 845 847 850 855 860 865 880 885 890

Note: Specifications can be changed and added without notice in our constant efforts for improvement.

VPL-DICT-S

Digital IC Tester



FEATURES

- ❑ Tests most of the 6 to 40 pin ICs in DIP package. The list includes 74/54, 40/45 Series, EPROMs, RAMs, Peripheral ICs, Microprocessor (8051/8085/Z80), operational amplifiers, transistor arrays, optocouplers etc.
- ❑ Automatic testing of variety of ICs.
- ❑ Potential free 40 pin universal ZIF socket.
- ❑ Six Seven Segment Display to show IC number, PASS & FAIL Status, Operations display.
- ❑ It has 16 keys for its operation.
- ❑ Audio alarm to user.

TEST LIBRARY

CMOS ICs (40 Series): 00 01 02 06 07 08 09 010 11 12 13 14 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 32 33 34 35 38 40 41 42 473 44 47 48 49 50 51 52 53 54 55 56 60 61 63 66 67 68 69 70 71 72 73 75 76 77 78 81 82 85 86 89 93 94 95 96 97 98 99 101 102 103 106 107 109 110 147 160 161 162 163 174 175 192 193 194 195

CMOS ICs (MC140) : MC140

CMOS ICs (45 Series): 01 02 03 06 08 10 11 12 13 14 15 16 18 19 20 29 30 31 32 37 38 39 41 43 44 47 51 55 56 58 59 60 61 72 81 82 84 85 99

CMOS MC : MC145

Opto Couplers : 507 5072 5073 617 627 637 521-1 521-2 521-3 521-4 621 622 624 036 817 827 837 847 810 812 818 504 880 885 066 074 829 504 614 714 509 519 532 632 503 613 713 508 531 027 034 836 212 825 830 831 836 026 210 111 112 113 114 115 116 117 118 723 5121 270 271 272 273 274 275 276 277 017 075 703 631 535 068 815 835 845 618 551 505 515 570 715 716 890 850 860 865 230 231 255 119 571 4N25 4N26 4N27 4N28 4N35 4N36 4N37 4N29 4N30 4N31 4N32 4N33 4N38

TTL 74/54 Series : 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 30 31 32 33 34 35 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 53 54 55 58 60 63 64 65 68 69 70 72 73 74 75 76 77 78 80 82 83 85 86 89 90 91 92 93 94 95 96 100 104 105 107 109 110 111 112 113 114 116 121 122 123 125 126 128 131 132 133 134 135 136 137 138 139 140 141 142 145 147 148 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 173 174 175 176 177 178 179 180 181 182 183 184 185 189 190 191 192 193 194 195 196 197 198 199 211 213 219 226 230 231 237 238 239 240 241 242 243 244 245 246 247 248 249 251 253 255 256 257 258 259 260 261 265 266 273 274 276 278 279 280 283 284 285 289 290 293 295 298 299 319 322 323 347 348 350 351 352 353 354 356 363 364 365 366 367 368 373 374 375 376 377 378 379 381 382 386 388 390 393 395 396 398 399 425 426 440 441 442 443 444 445 447 465 466 467 468 490 502 503 518 519 520 521 522 533 534 537 538 539 540 541 542 543 544 545 563 564 568 569 573 574 575 576 577 580 588 589 590 594 597 604 605 620 621 622 623 638 639 640 641 642 643 644 645 646 647 648 651 652 653 654 655 656 657 658 659 664 665 668 669 670 674 675 676 677 678 679 680 682 683 684 685 686 687 688 689 700 730 731 734 795 796 797 798 804 805 808 821 822 823 824 825 826 832 841 842 843 844 845 846 990 991 992 993 994 995 996

75/55 Series : 107 108 113 121 122 123 124 125 127 128 129 136 138 151 153 159 158 160 172 173 174 175 176 177 178 183 189 401 402 403 404 411 412 413 414 416 417 418 419 430 431 432 433 434 437 446 447 448 449 450 451 452 453 454 455 470 471 472 473 474 491 492 496 497 498

Microprocessor, EPROM, RAM and other digital ICs : 8255 8155 8156 8243 8253 8254 8226 8031 8051 8052 8032 8035 8039 8048 8049 8259 8279 8751 8752 8749 2716 2732 2764 27128 27256 27512 2864 2817 2816 2802 2803 2804 62256 22100

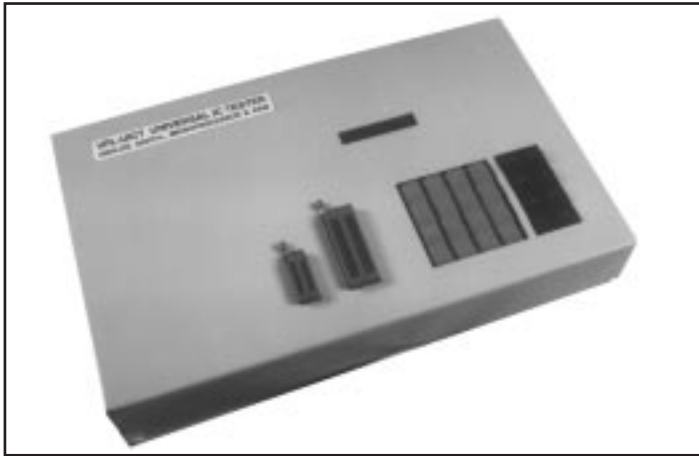
Operational Amplifiers : 001 002 003 004 005 006 007 008

Transistor Arrays : ULN2002 ULN2003 ULN2004

Under Development : 1831 1908 2016 2631 2632 3486 3487 5072 5073 5102 5103 5104 5121 5122 5211 5212 5213 5214 6880 6889 6810 6821 6820 6840 6520 8243 8212 8226 8205 8282 8283 8286 8287 8816 2085 2800 2802 2803 2804 22106

VPL-UICT

Universal IC Tester (Analog, Digital, Microprocessor & RAM)



VPLIC-UICT is designed as a powerful tool for manufacturers, servicing engineers, R&D personnels to test a wide range of IC's of Digital, Analog, CPU & RAMs.

FEATURES

- ❑ Tests most of the 6 to 40 pin ICs in DIP package. The list includes 74/54, 40/45, 93/96 series ICs, EPROMs, RAMs, peripheral ICs, microprocessor (8088/8085/Z80/6502), operational amplifiers, voltage comparators, transistor arrays, optocouplers, analog switches, voltage followers, timers, A to D converters, D to A converters and miscellaneous analog ICs.
- ❑ Automatic testing of variety of ICs.
- ❑ Potential free 20 pin ZIF socket for testing analog ICs and 40 pin universal ZIF socket for testing digital ICs are provided.
- ❑ 16 character x2 line LCD dot matrix display and 24 keys keyboard for man to machine communication and easy operation.
- ❑ Single step mode enables the user to test the IC step by step.
- ❑ Self test facility to test the internal modules of the IC tester automatically at power on and also through 'SELF TEST' key of the keyboard.
- ❑ Audio alarm to user whenever it is required.

SPECIFICATIONS

- **IC PACK** : Digital ICs up to 40 pins and analog ICs up to 20 pins in DIP package.
- **IC TYPE** : Tristate, open collector & bidirectional TTL/CMOS digital ICs also analog ICs as per list.
- **TEST BY** : Truth table comparison for digital ICs. Functional test of output for various input conditions for analog ICs.
- **ZIF** : 20 pin DIP ZIF for analog ICs and 40 pin Universal ZIF for digital ICs.
- **KEY** : 24 keys
- **DISPLAY** : 16 character x 2 line
- **SUPPLY VOLTAGE** : 230V AC.

TEST LIBRARY

DIGITAL ICs(74xx & 74xxx Series):

00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 24 25 26 27 28
 30 32 33 37 38 39 40 42 43 44 45 46 47 48 49 50 51 54 55 64 70 72 73 74 75 76 77
 80 82 83 85 86 87 90 92 93 94 95 96 101 102 103 016 107 108 019 112 113 114 125
 126 128 132 133 134 135 136 137 138 139 140 145 147 148 150 151 152 153 154 155
 156 157 158 160 161 162 163 164 165 166 168 169 170 173 174 175 176 177 180 182
 190 191 192 193 194 195 196 197 198 199 240 241 242 243 244 245 247 274 249 251
 253 256 257 258 259 260 266 273 279 280 283 290 293 295 298 299 322 350 352 353
 363 364 365 366 367 368 373 374 375 377 378 379 390 393 395 425 426 445 447 490
 534 540 541 563 564 573 574 640 641 642 643 645 670 688

CMOS ICs (RCA make CDxxxx) 40xx & 40xxx Series:

00 01 02 06 08 09 10 11 12 13 14 15 17 18 19 20 21 22 23 24 25 26 27 28 29 30 32
 33 34 35 37 38 40 41 42 43 44 48 49 50 51 52 53 63 66 68 69 70 71 72 73 75 76 77
 78 81 82 85 86 93 94 95 96 99 101 102 103 104 106 107 117 147 160 161 162 163 174
 175 182 192 193 194 195 257

CMOS ICs (RCA make CDxxxx) 45 Series:

4501 4502 4503 4506 4508 4510 4511 4512 4513 4514 4515 4516 4518 4519 4520 4529
 4530 4531 4532 4543 4553 4554 4555 4560 4561 4572 4584 4585 4724

93 and 96 series ICs

9300 9301 9302 9309 9321 9322 9324 9346 96101 96103 96106

Microprocessor, EPROM, RAM and other digital ICs

8088 8085 Z-80CPU(8400) 6502 8155 8251 8253 8255 8259 8279 Z-80 PIO(8420) 8121
 8123 8205 8212 8216 8221 8226 8555 2716 2732 2764 27128 27256 27512 2147 6116
 6264 62256 4164 (EPROMs only blankcheck) DS7810 DS7811 DS7812 DS7819 DS8810
 DS8811 DS8812 DS8819

ANALOGICs

Operational Amplifiers

LM101 LM107 LM108 LM112 LM124 LM143 LM144 LM148 LM149 LM158 LM192 LM201
 LM207 LM208 LM212 LM216 LM224 LM228 LM249 LM258 LM292 LM301 LM307 LM308
 LM312 LM316 LM324 LM343 LM344 LM348 LM349 LM351 LF356 LF357 LM358 LM392
 LM709 LM714 LM725 LM741 (8/14 pin) LM747 (10/14 pin) LM748 LM1458 LM1558 LM2902
 LM2924 LM3301 LM3401 HA17080 HA17082 HA17083 HA17084 HA17089 HA17301 HA17324
 HA17358 HA17458 HA17474 HA17558 HA17741(8/14 pin) HA17747 HA17902 HA17904
 UCOP01 UCOP02 OP07 OP27 CA3130 CA3140 TL074 TL084

Comparators

LM111(8/14 pin) LF111 LM119 LM139LM160(8/14 pin) LM161 LM193 LM211(8/14pin)
 LF211 LM219 LM239 LM260(8/14 pin) LM261 LM293 LM311(8/14pin) LF311 LM319
 LM339 LM360 (8/14pin) LM361 LM393 LH2111 LH2211 LH2311 LM2901 LM3302
 HA17339 HA17393 HA17901 HA17903

Transistor Arrays

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

Opto Couplers

MCT2 MCT2E 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 OPI8012 OPI8013 OPI8014 OPI8015

Analog Switches/Cross Point Switches & Multiplexers

CD4016 CD4066 CD4051 CD4052 CD4053 HI200 HI201 HI300 HI301 HI302 HI303
 HI304 HI305 HI306 HI307 CD22100

Voltage Followers

LM102 LM202 LM302 LM110(14 pin) LM210(14 pin) LM310(8/14 pin) LM2110 LM2210
 LM2310

Timers

LM555 NE555 HA17555

A to D Converters

ADC0801 ADC0802 ADC0803 ADC0804

D to A Converters

DAC0800 DAC0806 DAC0807 DAC0808 HA17008R HA17408

General Analog ICs

75182 75183 75189 DS7820A DS8820A DS8830 MC1489

Note: Specifications can be changed and added without notice in our constant efforts for improvement.