

# LEAPER-1A

## Handy Digital IC Tester

### Introduction

LEAPER-1A is a portable IC Tester that is especially designed for digital ICs. It has 24-PIN ZIF socket to suit different digital ICs. No PC is required to operate LEAPER-1A, it works complete in stand-alone mode through power adaptor or batteries.



### Standard Accessories

Main unit.....x1  
User manual.....x1

### Optional Accessories

- DC 9V/500mA power adaptor
- SOP-16/20/24 adaptor

### Features

- Easy-operating, particularly designed for the digital ICs.
- Supported Device : 74 / 40 / 45 / Driver Series.
- Support low voltage device test.  
Voltage range: 2.5V / 3.0V / 3.3V / 5.0V
- Provide idle mode for saving power.
- Small, portable, light and power-saving, usable with batteries.
- Average test time: 0.6 second.
- Display:16 characters in 1 line LCD.

### Specification

Display	16 x 1 character LCD
Test Pins	14~24 pin
Test Voltage	2.5V / 3.0V / 3.3V / 5.0V
Power	DC 9V/500mA or 9V Alkaline battery*2
Dimension	16cm x 11cm x 4.5cm
Weight	312g
Operating Altitude	up to 5000m
Operating Humidity	90% (non-condensing)
Temperature	+5°C~+45°C

### Device Type

- 74 Series
- 40 Series
- 45 Series
- Driver

### Device Supported

74 Serial											
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	7434	7435	7436	7437			
7438	7439	7440	7441	7442	7443	7444	7445	7446	7447		
7448	7449	7450	7451	74H52	7453	74H54	7454	7455			
7460	7461	7463	7464	7465	7470	7472	7473	7474			
7475	7477	7478	74H78	7480	7481	7482	7483	7484			
7485	7486	7487	7489	7490	7491	7492	7493	7494			
7495	7496	74105	74107	74109	74110	74111	74112	74113			
74114	74116	74125	74126	74128	74132	74134	74135	74136			
74137	74138	74139	74140	74141	74142	74143	74144	74145			
74147	74148	74150	74151	74152	74153	74154	74155	74156			
74157	74158	74159	74160	74161	74162	74163	74164	74165			
74166	74168	74169	74170	74173	74174	74175	74176	74177			
74178	74179	74180	74181	74182	74183	74184	74185	74189			
74190	74191	74192	74193	74194	74195	74196	74197	74198			
74199	74230	74231	74240	74241	74242	74243	74244	74245			
74246	74247	74248	74249	74251	74253	74257	74258	74259			
74260	74265	74266	74273	74274	74276	74279	74280	74283			
74289	74290	74293	74295	74298	74299	74322	74323	74347			
74348	74350	74351	74352	74353	74363	74364	74365	74366			
74367	74368	74373	74374	74375	74377	74378	74379	74382			
74386	74390	74393	74395	74399	74412	74425	74426	74445			
74447	74465	74466	74467	74468	74490	74518	74519	74520			
74521	74522	74533	74534	74539	74540	74541	74563	74564			
74574	74573	74576	74580	74597	74620	74621	74622	74623			
74638	74639	74640	74641	74642	74643	74644	74645	74646			
74647	74652	74654	74668	74669	74670	74682	74683	74684			
74685	74688	74689	74795	74796	74797	74798	74804	74805			
74808	74810	74811	74821	74827	74832	74841	74874	741000			
741002	741003	741004	741005	741008	741010	741011	741020	741034			
741035	741036	741244	741245								

40 Serial											
4000	4001	4002	4006	4007	4008	4009					
4010	4011	4012	4013	4014	4015	4016					
4017	4018	4019	4020	4021	4022	4023					
4024	4025	4026	4027	4028	4029	4030					
4031	4032	4033	4035	4038	4040	4041					
4042	4043	4044	4048	4049	4050	4051					
4052	4053	4054	4056	4060	4063	4066					
4067	4068	4069	4070	4071	4072	4073					
4075	4076	4077	4078	40H78	4081	4082					
4085	4086	4093	4094	4095	4096	4097					
4099	40100	40101	40102	40103	40104	40106					
40109	40110	40147	40160	40161	40162	40163					
40174	40175	40181	40182	40192	40193	40194					
40257											

  

45 Serial											
4501	4502	4503	4504	4506	4508	4510					
4511	4512	4513	4514	4515	4516	4517					
4518	4519	4520	4522	4526	4527	4529					
4532	4539	4543	4551	4553	4555	4556					
4560	4561	4566	4572	4581	4584	4585					

  

Driver			
ULN 2001	ULN 2003	ULN 2004	ULN 2005
ULN 2803	ULN 2804		