

The GSAS Digital IC Tester is an economical, microcontroller-driven, handheld device specifically designed for out-of-circuit testing of digital integrated circuits (ICs). It accommodates a 40-pin ZIF socket for easy insertion and removal of ICs without pin damage, and tests 100+ different 74 series ICs, MCUs, RAMs, etc.

## Key Features

- **Simple Operation:** User-friendly for quick testing
- **Versatile Power Options:** Powered by USB or 9V adapter or optional battery.
- **Advanced IC Identification:** Includes a search facility for unknown ICs
- **No Reference IC Required:** Test all library-supported ICs.
- **LCD Display:** Displays pass/fail results on a 16x2 LCD Display
- **Truth Table Comparison:** Utilized to validate IC functionality.
- **Self-Diagnosis:** Ensures optimal functionality.
- **40-pin capability:** Supports testing of 14 to 40-pin DIP ICs.
- **Loop modes:** Includes continuous, power pin swap, and functionality tests.
- **Reverse Polarity Protection:** Protects the IC from human errors
- **Compatibility:** It also supports MCUs, peripherals, and RAMs.
- **Keypad:** 13 switches for the command and part number entry.



## Test Library

### 74 Series TTL/CMOS ICs

7400	7415	7440	7485	74147	74174	74258	74375
7401	7416	7442	74107	74148	74175	74259	74386
7402	7417	7447	74109	74151	74182	74260	74390
7403	7418	7450	74112	74153	74190	74266	74393
7404	7420	7451	74113	74155	74191	74273	74541
7405	7421	7452	74123	74157	74192	74280	74589
7406	7422	7455	74125	74158	74193	74283	74595
7407	7425	7458	74126	74160	74194	74292	74597
7408	7426	7460	74132	74161	74195	74293	
7409	7427	7461	74133	74162	74237	74294	
7410	7428	7462	74136	74163	74242	74298	
7411	7430	7465	74137	74164	74243	74365	
7412	7432	7473	74138	74165	74251	74366	
7413	7437	7474	74139	74166	74253	74367	
7414	7438	7483	74140	74173	74257	74368	

**Others:** 8085, 8253, 8255, 628128.

### 40 and 45 Series CMOS ICs

4002	4024	4053	4094	4518
4006	4025	4066	4098	4519
4009	4027	4068	40106	4520
4010	4028	4069	40161	4529
4011	4029	4070	40162	4532
4012	4030	4071	40174	4543
4013	4031	4072	40175	4572
4015	4040	4073	40192	
4016	4041	4075	40193	
4017	4042	4076	4501	
4018	4043	4077	4503	
4019	4044	4078	4506	
4020	4048	4081	4510	
4022	4049	4082	4511	
4023	4051	4093	4512	

## Scope of Supply:

- 1x GSAS Digital IC Tester
- 1x Power Adapter
- User Manual

(Specifications are subject to change without prior notice)

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