Socket tester is mainly used for polarity detection of power socket wiring and safety of residual current device (RCD).
It can quickly and accurately detect wiring condition.of socket. It can be used to examine safety of socket lines in residences, offices, commercial buildings and other places. It is the choice for residence safety inspection and electrician's installation and maintenance.

（GT85）

Operation Instructions

▶ Socket polarity test

Plug the tester into a standard three-holepower socket. Then observe indicator lightand comparison table of test results to
determine whether socket wiring is correct, and then unplug the tester. When wrong wiring is detected, please send for professional electrician for line maintenance.

▶ Residual current device (RCD) examination

Insert the tester into correctly wired three-hole power socket, press RCD button (less than 3 seconds) and the normal RCD will trip. If it does not trip, the RCD has failed. Please send for professional electrician for timely repair.

▶ Note:

Do not touch RCD button during use, so as to avoid accidentally triggering RCD and causing unnecessary losses.

European standard

Chinese standard

Environment for usage	
Working temperature	0°C~40°C
Working humidity	20%~75% RH
Storage temperature	-10°C~50°C
Storage humidity	20% ~80%RH
Altitude	≤2000m
RCD current	30mA
RCD working voltage	220V±20V

Comparison table of test results			
Red	Red	Red	
■	■		Correct
	■		No ground wire
■			No null wire
			No live wire
■		■	Wrong live and ground wire
	■	■	Wrong live and null wire
■	■	■	Wrong wiring and no ground wire

Note:
Relatively wrong and lack of ground: the live wire and the ground wire are reversely connected, and the ground wire is not
The tester cannot distinguish between the reverse connection of the neutral wire and the ground wire.

Function	GM86	GM87	GM88	GM89
Monitor the current active power value	√	√	√	√
Monitor the current voltage/current/frequency	√	√	√	√
Record the total time of electricity consumption	√	√	√	√
Record total electricity consumption	√	√	√	√
Calculate carbon dioxide emissions	√	√	√	√
Power factor detection	√	√	√	√
Load alarm threshold can be set	√	√	√	√
Clock display, timing switch	×	×	√	×
Overcurrent protection, buzzer alarm	×	×	√	×

Specification	GM86	GM87	GM88	GM89
Applicable power supply	220V 50Hz			
Working voltage range	180.0V~260.0V			
Maximum rated current	10A	1A	10A	16A
Maximum power	2200W	220W	2200W	3520W
Measurable range	0.2W~2200W	0.1W~220W	0.2W~2200W	0.1W~3520W
Power factor	0.000-1.000			
CO2 displacement measurable range	×	×	×	0.00~9999kg
Precision	Level 1			
Constant	6400 imp/kWh			
Power dissipation	<1W			
Working temperature	0~45°C			
Product dimension	60*55.7*120mm	60*55.7*120mm	60*55.7*120mm	319*60*42mm
Weight	129.6g	129.6g	138.5g	129.6g

Application

Home

School

Circuit monitoring

Plug specifications

Chinese standard

European standard

American standard

British standard

(GM86)

(GM87)

(GM88)

(GM89)