AC GROUND BOND TESTER

GCT-9040

CE | USB | LINK | GPIB | Remote Terminal | Signal I/O

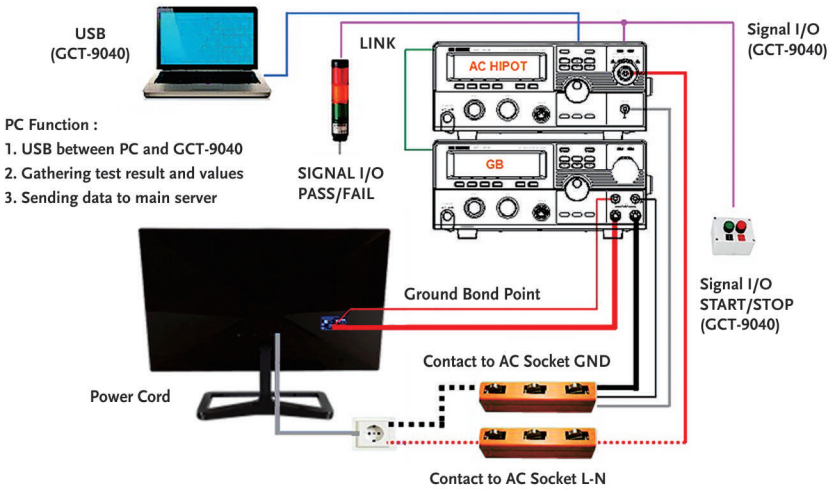
GW Instek rolls out 40A AC ground bond tester - GCT-9040 to augment the existing safety tester product line and to replace the legacy model GCT-630. GCT-9040 provides the maximum AC test current of 40A and adopts the PWM design the same as other models to ensure test efficiency and reliability. Furthermore, large LCD display, 100 memory blocks from setting criteria, and programmable communications interface together deliver users with higher readability and convenience.

In addition to the standalone ground bond test operation, GCT-9040, with 40A AC ground bond test capability, can also externally connect with GW Instek safety testers such as GPT-9800/9900/9900A series to augment users' product test requirements by the all-in-one test platform. For instance, GPT-9802 (AC/DC withstanding tester), via external connection, can be expanded to a safety tester system with three testing functionalities.

Additionally, after the safety tester system has been assembled, not only the sequential test function for the original all-in-one models can be executed, but also the simultaneous output test can be conducted. The simultaneous output test allows two testers to simultaneously test DUT so as to shorten the overall test time. Whether the safety tester system executes sequential test or simultaneous output test, GCT-9040 will automatically obtain control over two testers, including activation control, final status indication light, and pin signal output from Digital I/O etc. to avoid confusion caused by each tester's indication light.

Last but not least, GCT-9040, with respect to remote control and data retrieval, not only provides standard USB (optional GPIB) interface to control all functionalities but also controls connected safety testers (GPT-9800/9900/9900A series) via commands to read measurement results.

SIMULTANEOUS TEST (SCHEMATIC DIAGRAM FOR CONNECTION)



FEATURES

- AC 40A Ground Bond Tester
- Measuring Resistance from 1mΩ~650mΩ
- Connect with the GPT-9800/9900 Series to Become a Sequential Test or Simultaneous Test System
- 240x64 Ice Blue Dot Matrix LCD
- Function Key for Quick Selecting
- High Intensity Flash for Caution & Status Indication
- PWM Switching Amplifier to Enhance the Power Efficiency and Reliable Testing
- Max. 100 Memory Block for Test Condition Setting
- Remote Terminal on the Front Panel for "Start" and "Stop" Remote Active
- Interface : USB Device, Signal I/O and GPIB (optional)

Front

Rear Panel

APPLICATIONS

- Safety Testing of Ground Bond of Electrical Product in Manufacturing
- Quality Assurance Verification
- Safety Standard Compliance Pre-qualification in R&D
- Performing a Sequential or Simultaneous Test After Connect with GPT-9800/9900 Series

GW INSTEK
Simply Reliable

SPECIFICATIONS

GROUND BOND	**Output-Current**	03.00A~ 40.00A ac
	Output-Current Resolution	0.01A
	Output-Current Accuracy	3A≦I≦8A : ± (1% of setting + 0.2A) 8A< I≦40A : ± (1% of setting + 0.05A)
	Test-Voltage	8Vac max (open circuit)
	Test-Voltage Frequency	50Hz/60Hz selectable
	Resistance Measurement Range	1.0mΩ ~ 650.0mΩ
	Resistance Measurement Resolution	0.1mΩ
	Resistance Measurement Accuracy	±(1% of reading + 2mΩ)
	Window Comparator Method	Yes
	TIMER (Test Time)	0.5s~999.9s
	GND	OFF (fix)
	Test Method	Four Terminal
MEMORY	**Single Step Memory**	MANU : 100 blocks
INTERFACE	**LINK**	For system connection
	USB	Standard
	GPIB	Option
	Remote Terminal (Front)	Standard
	Signal I/O	Standard
	Display	240 x 64 Ice Blue Dot matrix LCD
POWER SOURCE & COMSUMPTION	**Source**	AC 100 V / 120 V / 220 V / 230 V ±10%, 50/60Hz
	Comsumption	Max. 700VA
DIMENSIONS & WEIGHT	330(W) x 148(H) x 460(D) mm; Approx. 17kg max.	

Specifications subject to change without notice. CT-9040GD1DH

ORDERING INFORMATION

GCT-9040 40A AC Ground Bond Tester

ACCESSORIES

Quick Start Guide x 1, Power cord x 1, Test lead GTL-215 x 1,
LINK cable GTL-132 x 1, USB cable GTL-247 x 1,
Remote terminal male plug x 1, Interlock key x 1,
CD x1 (complete user manual)

OPTIONAL

Opt.1 GPIB card

OPTIONAL ASSESSORIES

GTL-248 GPIB Cable, approx. 2m
GTL-251 GPIB-USB-HS (High Speed)
GRA-417 RACK Adapter Panel (19", 4U)

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