

DESCRIPTION

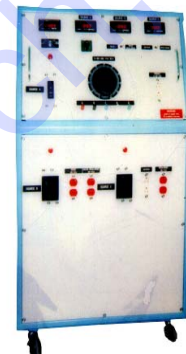
The CL-7108 test benches include power supplies, load banks and measuring instruments that can be custom built using the electric components and specifications of your choice. Each bench is equipped with four (4) swivel casters, two of which are lockable. The test bench rear panel has vents for cooling the internal parts in operation, and is equipped with flexible safe-rating cables.

SUGGESTED MODELS

Model CL-7108A
Bench for 347-600 V AC



Model CL-7108B
Bench for 0-130 V DC;
0-150 V DC; 30 V DC



Model CL-7108C
Bench for 0-120/208 V AC;
120 V AC



Model CL-7108D
Bench for 0-12 V AC;
0-12 V DC



Model CL-7108E
Bench for 347/600V AC;
120/208 V AC; 0-150 V DC



Model CL-7108G
Bench with variable and fixed
AC/DC power supplies

TESTING BENCH 347-600 V AC

DESCRIPTION

The CL-7108A testing bench includes a three phase power supply, 347/600 V AC, 30 A AC. It is equipped with four (4) 10-cm soft rubber, ball-bearing swivel casters, two of which are lockable. The testing bench rear panel has vents for cooling the internal parts in operation, and is equipped with 5-m flexible saferating cables, each provided with piggy back connectors and isolated alligator clips. The 5m power cord has a special plug. A built-in socket allows power cord connection. The CL-7108A is also mounted with a fully compatible wall socket.

LIST OF COMPONENTS

The CL-7108A testing bench includes the following components:

- One (1) digital voltmeter, 0/600 V AC
- One (1) digital ammeter, 0/30 A AC
- One (1) main circuit-breaker, 30 A AC
- One (1) red LED for indicating the output condition
- One(1) red push-button for power-off circuit
- One (1) green push-button for power-on circuit
- One (1) voltage selector
- One (1) current selector
- One (1) push-button remote control for ON/OFF
- Five (5) binding posts



SPECIFICATIONS

DESCRIPTION	CL-7108A
Supply voltage required:	347/600 V AC, 30 A, 3 phases, 4 wires
Frequency:	60 Hz
Circuit-breaker:	30 A, 3 poles, 600 V AC
Control circuit transformer:	600/120 V AC, 50 VA
Voltmeter reading scale:	0-600 V AC
Ammeter reading scale:	0-30 A AC
Weight:	205 kg
Dimensions:	135 x 64 x 58 cm
Produit number:	52720

**DESCRIPTION**

The CL-7108B testing bench consists of two variable, non-regulated power supplies (0-150 V DC; 0-130 V DC) and one fixed, non-regulated DC power supply (30 V DC). It is equipped with four (4) 10-cm soft rubber, ball-bearing swivel casters made in soft rubber, two of which are lockable. The testing bench rear panel has vents for cooling the internal parts in operation, and is equipped with 5m flexible safe-rating cables with piggy back connectors and isolated alligator clips. The 5m power cord has a special plug. A built-in socket allows power cord connection. The CL-7108E is also mounted with a fully compatible wall socket.

LIST OF COMPONENTS

The CL-7108B testing bench includes the following components:

- One (1) variable, non-regulated power supply (A), 0-150 V DC, 30 A;
- One (1) variable, non-regulated power supply (B), 0-130 V DC, 30 A;
- One (1) fixed, non-regulated power supply (C), 30 V DC, 15 A;
- One (1) digital voltmeter, 0-150 V DC with built-in voltage selector;
- Two (2) digital ammeters, 0-30 A DC;
- One (1) digital ammeter, 0-15 A DC;
- Three (3) indicating lamps for power supply ON/OFF operation;
- One (1) breaker, 15 A for power supply C;
- Two (2) breakers, 30 A, for power supplies A and B;
- Three (3) buttons for setting the current limit;
- One (1) button for setting the voltage limit;
- One (1) reset button; and,
- Two (2) variacs for power supplies A and B.

SPECIFICATIONS

DESCRIPTION	CL-7108B
Supply Voltage Required:	120 V AC, 30 A, 1 phase, 3 wires
Frequency:	60 Hz
Breakers (3) :	2 x (30 A, 2 P, 120 V DC); 1 x (15 A, 2 P, 120 V DC)
Variacs (2) :	120 V, 30 A
Voltmeter Reading Scale:	0-150 V DC
Ammeter Reading Scale:	0-15 A DC
Weight:	205 kg
Dimensions :	135 x 64 x 58 cm
Product Number:	52721

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**TESTING BENCH
0-120/208 V AC — 120 V AC****DESCRIPTION**

The CL-7108C Testing Bench is composed of a three phase variable (0-120/208 V) AC power supply and a fixed single phase 120V AC power supply, with 120 V isolated, unisolated, regulated and unregulated sockets. The bench is mounted on four (4) 10 cm soft rubber swivel casters, two of which are lockable.

Ventilation grills are located on the consoles to allow efficient cooling of internal parts. The testing bench is equipped with 5m, calibre appropriate soft cords with a piggy back connector on one end and alligator clip on the other end. The 5m power cable is also equipped with appropriate connectors on each end

LIST OF COMPONENTS

The CL-7108C Testing Bench includes the following components:

- One (1) three phase variable power supply, 0-120/208 V AC, 20 A;
- One (1) fixed single phase power supply 120 V AC, 20 A;
- One (1) 120 V AC isolated and unregulated power socket;
- One (1) 120 V AC isolated and regulated power socket;
- One (1) 120 V AC unisolated and unregulated power socket;
- One (1) 120V AC unisolated and regulated power socket;
- One (1) variable single phase socket;
- One 0-300V AC digital voltmeter;
- One (1) selector for voltmeter for readings of phase A/B, A/C, B/C, and C/N as well as for isolated and isolated and regulated single phase power supply;
- One (1) digital ammeter 0-20 A AC for reading three phase currents;
- One (1) digital ammeter 0-20 A AC for reading current on isolated single phase outlet;
- One (1) digital ammeter 0-20 A AC for reading current on unisolated single phase outlet;
- Two (2) selectors for ammeters;
- Three (3) power indicator lights;
- Three phase power supply binding posts; and,
- One (1) three phase power supply variac;

**TECHNICAL SPECIFICATIONS**

DESCRIPTION	CL-7108C
Supply voltage required:	120/208 V AC, 20 A, 3 phases, 4 wires
Frequency:	60 Hz
Breakers (3):	1 x (20 A, 3P, 120/208 V AC); 2 x (20 A, 2P, 120 V AC)
Variac (1):	0-120 V, 30 A, 3 phases
Voltmeter reading scale:	0-300 V AC
Ammeter reading scale:	0-20 A AC
Weight:	205 kg
Dimensions:	135 x 64 x 58 cm
Product number:	52722

**TESTING BENCH
0-12 V AC — 0-12 V DC****DESCRIPTION**

The CL-7108D Testing Bench is designed for single-phase high-voltage short period testing to limit internal temperature and surrounding magnetic field increases. The testing bench includes a variable AC power supply (0-12 V AC, 1 kA) and a variable DC power supply (0-12 V DC, 1 kA). The bench is mounted on four (4) soft rubber 10 cm swivel casters, two of which are lockable. Air vents are located on the console to allow for efficient cooling of internal parts.

LIST OF COMPONENTS

The CL-7108D Testing Bench includes the following components:

- One (1) variable power supply A, 0-12 V AC, 1 kA;
- One (1) variable power supply B, 0-12 V DC, 1 kA;
- One (1) digital ammeter, 0-999 A AC, for reading power supply A;
- One (1) digital ammeter, 0-999 A DC, for reading power supply B;
- One breaker, 60 A;
- One (1) power indicator light;
- Power supply binding posts; and,
- One (1) variac that can be used for both power supplies.

**TECHNICAL SPECIFICATIONS**

DESCRIPTION	CL-7108D
Supply voltage required:	208 V AC, 60 A, single phase, 2 wires
Frequency:	60 Hz
Breakers (3):	60 A, 3 P, 240 V AC
Variac (1):	0-240 V, 60 A
Ammeter reading scale:	0-999 A AC/DC
Weight:	205 kg
Dimensions:	120 x 75 x 64 cm
Product number:	52723

**TESTING BENCH
347/600 V AC;
120/208 V AC; 0-150 V DC****DESCRIPTION**

The CL-7108E testing bench consists of two fixed power supplies (347-600 V AC) (120/208 V AC) and one variable DC power supply (0-150 V DC). It is equipped with four (4) 10-cm, soft rubber ball-bearing swivel casters, two of which are lockable. The testing bench rear panel has vents for cooling the internal parts in operation, and is equipped with 5m flexible safe-rating cables, each one provided with piggy back connectors and isolated alligator clips. The 5m power cord has a special plug. A built-in socket allows power cord connection. The CL-7108E is also mounted with a fully compatible wall socket.

**LIST OF COMPONENTS**

The CL-7108E includes the following components:

- One (1) fixed power supply A, 347/600 V AC, 30 A
- One (1) fixed power supply B, 120/208 V AC, 20 A
- One (1) variable power supply C, 0-150 V DC, 30 A
- One (1) voltmeter, 0-600 V AC
- One (1) voltmeter, 0-300 V AC
- One (1) voltmeter, 0-150 V DC
- One (1) ammeter, 0-30 A AC
- One (1) ammeter, 0-20 A AC
- One (1) ammeter, 0-30 A DC
- Three (3) indicator lamps;
- One (1) variac;
- One (1) two pole circuit-breaker, 30 A;
- One (1) three pole circuit-breaker, 30 A;
- One (1) two pole circuit-breaker, 20 A;
- One (1) red push-button for power-off circuit;
- One (1) green push-button for power-on circuit
- One (1) voltage selector;
- One (1) current selector;
- One (1) push-button remote control for ON/OFF operation;
- Twelve (12) binding posts; and,
- One duplex-type socket

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**TESTING BENCH
347/600 V AC;
120/208 V AC; 0-150 V DC****SPECIFICATIONS**

Dimensions:	135 cm x 64 cm x 58 cm
Weight:	205 kg
Volume:	0.5 m ³
Coating:	Blue baked enamel
Product no:	52535



CL-7108E Control Panel



CL-7108E Remote Control



CL-7108E Internal Parts

TESTING BENCH W/VARIABLE & FIXED AC/DC POWER SUPPLIES

DESCRIPTION

The CL-7108G Testing Bench includes the following power supplies:

- Fixed three phase AC power supply (A) (347-600 V AC, 30 A);
- Fixed three phase power supply (B) (120/208 V AC, 30 A);
- Fixed single phase AC power supply (B) (120 V AC, 15 A);
- Variable single phase AC power supply (C) (0-120 V AC, 30 A);
- Semi-stabilized DC power supply (C) (0-150 V DC, 30 A)
- Linear stabilized symmetrical DC power supply (D) (± 15 V DC, 1 A); and,
- Linear stabilized symmetrical DC power supply (E) (± 5 V DC, 1 A).



The testing bench contains ventilation grills to allow for adequate cooling of internal parts, two (2) instrument and command panels, and a solid laminate work table. The console base is built from tubular steel to provide the rigidity needed to meet industrial standards. The casing is cold-cast steel. The testing bench is not mounted on casters. The testing bench contains 5-way connector binding posts with standard colors, and offers the user five (5) independent AC/DC power supplies working from a three phase 347/600 V AC power supply.

LIST OF COMPONENTS

The CL-7108G also includes the following components:

- One (1) digital voltmeter 0-600 V AC;
- One (1) digital voltmeter 0-300 V AC;
- One (1) digital voltmeter 0-150 V AC;
- One (1) digital voltmeter 0-150 V DC;
- Two (2) digital ammeters 0-30 A AC;
- One (1) digital ammeter 0-30 A DC
- One (1) variac 30 A, 0-150 V AC, used to control output voltage;
- Two (2) manual breakers, 30 A, 3 poles, 600 V AC;
- One (1) protective relay 1 A, 120 V AC, with manual reengage for A supply circuit;
- One (1) protective relay 1 A, 120 V AC, with manual reengage for B supply circuit;
- One (1) protective relay 20 A, 600 V AC, with manual reengage for C supply circuit;
- One (1) fuse protective relay 1 A, slow action for D supply circuit;
- One (1) fuse protective relay 0.5 A, slow action for E supply circuit;
- One (1) push-button 'START' for A supply; One (1) push-button 'STOP' for A supply;
- One (1) 0-30 A DC output current regulator button for C supply;

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TESTING BENCH W/VARIABLE & FIXED AC/DC POWER SUPPLIES

LIST OF COMPONENTS (CONT'D)

- One (1) reengage button for C supply;
- Four (4) voltage or line current display selectors ;
- One (1) three position function mode selector (CC-OUT-AC);
- Two (2) source interrupters;
- Three (3) double outlets, 120 V AC, 15 A;
- Indicator lights; and,
- Binding posts.

TECHNICAL SPECIFICATIONS

DESCRIPTION	CL-7108G
Supply voltage required:	347/600 V AC, 30A min., 3 phases, 5 wires
Frequency:	60 Hz
Weight:	275 kg
Dimensions:	136 x 165 x 75 cm
Product number:	52726

