

HEAT CYCLE TEST SET



Heat Cycle Test Systems are designed to raise and control the temperature of a conductor or other low impedance electrical loop to simulate the current loading conditions found in electrical circuits.

This heating is achieved by utilizing the test loop as the secondary winding of a current transformer for inductive heating. Measurement of the loop temperature is made by direct contact of a K-type thermocouple probe with the conductor of the test loop.

Our systems are offered as low voltage test systems or high voltage test systems. The low voltage test system utilizes one loop of the conductor passing through the desired number of CT carts to reach the necessary current level. Additionally Impulse tests can be performed on the high voltage side of the test set up.

Designed for working on 400V, 2 Phases of 3phase AC supply. Supplying up to 6000 Amperes in cables loop of up to 15 meter of suitable capacity. Various other optional accessories are available including advance control system.

Technical Details

Input Voltage	: 380 / 400V 2 phase 50/60HZ
Output Current	: Up to 6000A
Temp. Thermocouple	: K-type(Optically isolated) or fibre optic type
Cable length	: Upto 15 meter
Current Injection carts	: Each capable to 750Amps
No. of carts	: Upto 7
Heating Control	: PID controlled with zero interlock bypass
Timer	: Upto 30 days
Ampere Meter Range	: Range : As per capacity
Accuracy	: 0.5%

✓ Special Features

- Type K thermocouples
- Safety Interlocks
- Automatic and manual control of test sequences
- Timer for up to 900hours
- Zero start inter-lock
- Mobile CT carts with castors
- Updateable software
- Main Power Breaker
- Inductive Current Compensation