

COMBINED REFRIGERATION COMPRESSOR ANALYZER

Model Number : GOTT-CRCA-0001



DESCRIPTION

The GOTT-CRCA-0001 is a three phase electrical power supply circuit's briefcase design which used to generate the three phase induction motor with single piston compressor.

Each one of the functional sections has several test points which permit the analysis and monitoring of the main electrical signals of the tuner. All the test points are protected against accidental shorting.

FEATURES

- Motor protection switch with adjustable trip level.
- Mains voltage telltale.
- 3 ammeters for the measurement of phase currents absorbed
- Voltmeter for the measurement of mains voltage
- 415V 50Hz 1HP 4-pole asynchronous three-phase motor coupled to type OVT-12 open compressor.
- Thermal Overload Contactor

BLOCK DIAGRAM

The block diagrams consist of the following functional modules :

- Ammeter Section
- Voltmeter Section
- Motor Control
- Supply Control Section
- Overload Contactor Section
- Motor Protection Switch

FAULT SIMULATOR

The fault simulator manipulates electric points of the motor, to simulate real faults.

GENERAL SPECIFICATION

- AC Output: 415VAC, 240VAC
- Operating Conditions: 0 to 45°C , 85% or Less(R.H.)
- Input Power: AC 415V, 50/60Hz 3-Phase

PRODUCT MODULES

| MAIN UNIT | CODE 159-124 | THREE-PHASE INDUCTION MOTOR WITH SINGLE PISTON COMPRESSOR | CODE 159-125 | SAFETY CONNECTING LEAD | CODE 237-001 | EXPERIMENT MANUAL | CODE 159-126 |
|---|-----------------|---|-----------------|--|-----------------|---|-----------------|
|  | | Input Voltage: 415V 4mm safety socket  | | 4mm connecting leads  | |  | |

EXPERIMENT TOPICS:

- Analysis the features on Combined Refrigeration Compressor Analyzer Circuit Briefcase
- Observe the changes of ammeter of Circuit Briefcase
- Determine the voltage of the Circuit Briefcase
- Operation of Three-Phase Induction Motor

Manuals :

- (1) All manuals are written in English
- (2) Model Answer
- (3) Teaching Manuals

General Terms :

- (1) Accessories will be provided where applicable
- (2) Manuals & Training will be provided where applicable
- (3) Designs & Specifications are subject to change without notice
- (4) We reserve the right to discontinue the manufacturing of any product

Warranty :

2 Years

ORDERING INFORMATION :

| ITEM | MODEL NUMBER | CODE |
|--|----------------|---------|
| COMBINED REFRIGERATION COMPRESSOR ANALYZER | GOTT-CRCA-0001 | 159-123 |

*Proposed design only, subject to changes without any notice.