WARRANTY

Each "KUSAM-MECO" product is warranted to be free from defects in material and workmanship under normal use & service. The warranty period is one year (12 months) and begins from the date of despatch of goods. In case any defect occurs in functioning of the instrument, under properuse, within the warranty period, the same will be rectified by us free of charges, provided the to and fro freight charges are borne by you. This warranty extends only to the original buyer or end-user customer of a "KUSAM-MECO" authorized dealer.

This warranty does not apply for damaged IC's, fuses, disposable batteries, carrying case, test leads, or to any product which in KUSAM- MECO's opinion, has been misused, altered neglected, contaminated or damaged by accident or abnormal conditions of operation or handling.

"KUSAM-MECO" authorized dealer shall extend this warranty on new and unused products to end-user customers only but have no authority to extend a greater or different warranty on behalf of "KUSAM-MECO".

"KUSAM-MECO" warranty obligation is limited, at option, for free of charge repair, or replacement of a defective product which is returned to a "KUSAM-MECO" authorized service center within the warranty period.

THIS WARRANTY IS BUYER'S SOLE AND EXCLUSIVE REMEDY AND IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR USE. "KUSAM-MECO" SHALL NOT BE LIABLE FOR ANY SPECIAL, INDIRECT, INCIDENTAL OR CONSEQUENTIAL DAMAGES OR LOSSES, INCLUDING LOSS OF DATA, ARISING FROM ANY CAUSE WHATSOEVER.

All transaction are subject to Mumbai Jurisdiction.



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An ISO 9001:2015 Company

PHASE ROTATION TESTER MODEL - KM 991



OPERATION MANUAL



Congratulations on you purchase of this contact phase rotation tester. Please:

- -- Read this user manual with care.
- --Strictly follow this listed safety instruction and precaution.

Safety Notes

Read the following safety information carefully before attempting to operate the tester.

Pay attention to the information on manual and the detector.

Do not use the tester for the cables that have metal parts exposure.

To assure accurate result, do not touch the clips during measurement.

Do not expose the instrument to direct sunlight, high temperature, high humidity or dew.

Keep the tester dry. Do not use it in case of wet.

Never open the battery compartment cover while connected to live conductors.

(KUSAM-MECO)®

Introduction

This is a kind of hand-held battery powered table. It designs for quick, easy and accurate detection of three phase sequence in motor installation and repair.

Safety Symbols

A

This symbol means it will be a risk of electric shock resulting in injury even dead, indicates the user must refer to the manual input for further information.



This symbol means it will be a risk of taster-damage or personal injury, indicates that, under normal use, hazardous voltages may be present.

Double insulation



. AC



(KUSAM-MECO)®

Specifications

1. Function: phase sequence detection (positive CW, negative

CCW), line maintenance, motor rotation detection (DYXZ-03 only)

2.Power:3V DC, SIZE AA 1.5V* 2, continuous use time approximately 70 hours.

3.Input Voltage: 100~400VAC, 45~400Hz.

4.Indication:

Positive CW, R lights up.

Negative CCW, L lights up.

Motor Rotation detection (DYXZ-03 only)

Place the tester in accordance with the direction of motor rotation symbol.

Motor rotates in clock wise direction, R lights up.

Motor rotates in counter clock wise direction, L lights up.

5. Power indication: the power LED light up after powered on.

6. Auto power off: 5 minutes after powered on.

7.Dimension: 110mm*70mm*30mm.

8.Probe length: 0.6m

(KUSAM-MECO)®

14.Max rated power:300mVA

15.Safety:EN61010-1:2001,EN61010-031:2002,pollution degree 2, CATIII600V, transient overvoltage (6000V).

Tester Descriptions

1.Body

2.Probe

3.Panel

4. Phase indicator light U (A,L1),

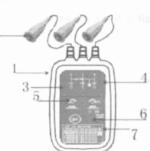
V(B,L2), W(C,L3)

5. Negative CCW indication light L

Positive CW indication light R

6.Button "ON" "OFF"

7.Information table





Operation Instruction



A CAUTION! HIGH VOLTAGE!

- (1)Randomly connect the three probes to the terminals of the three phase.
- (2)Press "ON" to power on the tester, the power indicator light flashes once.
- (3)In case the U, V, W are lit up, R is on if positive CW is detected. If in negative CCW, L is on.

If one or more of light U, V, W does not light up, it means the relevant phase is open. In this case, R or L does not represent the indication.

(4)Press "OFF" to shut down the tester after use, or it will auto power off in five minutes.

Package List

- 1. Instruction Manual x 1
- 2. Battery (1.5V AAA) x 2
- 3. Carrying Case x 1



MUMBAI

TEST CERTIFICATE

TRMS DIGITAL INSULATION MULTIMETER

This Test Certificate warrantees that the product has been inspected and tested in accordance with the published specifications.

The instrument has been calibrated by using equipment which has already been calibrated to standards traceable to national standards.

MODEL NO. KM 991

SERIAL NO.

DATE:

ISO 9001 REGISTERED

