

FEATURES :

- Variable Output 0-30V DC & Fixed Output 5V / 2A DC.
- High Stability Load Regulation : $\leq 0.01\% + 3\text{mV}$.
- Ripple & Noise : $\leq 1\text{mVrms}$
- Tracking Error : $0.5\% + 10\text{mV}$
- Coarse & fine adjustment setting For both Voltage & Current.
- Fully protected against output short circuit and overload.
- 3 digit display for each Voltage & Current function.
- Ideal instrument for R & D Departments, Colleges & factories.
- ON / OFF output switch
- Constant Current / Constant Voltage auto switch
- Full scale long duration time output.

**ELECTRICAL SPECIFICATIONS :****1) Variable Output :****Output Voltage : 0~30V****Output Current : 0~10A****2) Fixed output :****Output Voltage : 5V.****Output Current : 2A****Source regulation : $\leq 5\text{mV}$** **Load regulation : $\leq 15\text{mV}$** **Ripple & Noise : $\leq 2\text{mV(rms)}$** **3) Power Supply : AC 220V \pm 10%****4) Weight : 5.5 kg approx****5) Dimensions : 120 x 150 x 270mm****ACCESSORIES : Instruction Manual, Mains Power Cord & Fuse.****All Specifications are subject to change without prior notice**

OTHER PRODUCTS

- * Digital Multimeter
- * Digital AC & AC/DC Clampmeter
- * AC Clamp Adaptor
- * AC/DC Current Adaptor
- * Transistorised Electronic Analog & Digital Insulation Resistance Testers
- * Digital Sound Level Meter & Sound Level Calibrator
- * Digital contact & Non-contact Type Tachometer
- * Digital Non-contact (infrared) Thermometer
- * Thermo Hygrometer
- * Thermo Anemometer
- * Wood Moisture Meter
- * Distance Meter
- * Calibrators
- * Gas Analysers
- * Panel meters
- * Battery Testers
- * Digital Hand Held Temperature Indicators
- * Digital Lux Meter
- * Network Cable Tester
- * Power Factor Regulator
- * Maximum Demand Controller/Digital Power Meter

KUSAM-MECO

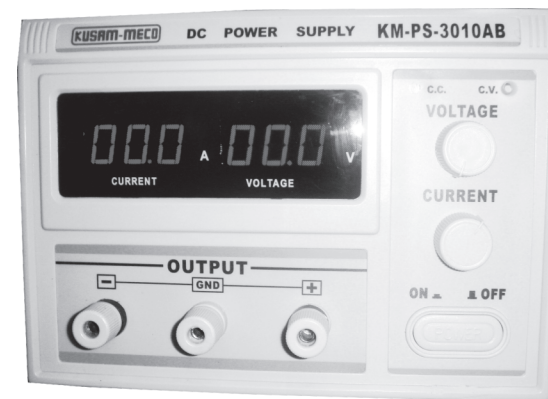
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KUSAM-MECO

AN ISO 9001:2000 COMPANY

REGULATED DC POWER SUPPLY

MODEL
KM-PS-3010AB



OPERATION MANUAL

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INTRODUCTION

“KUSAM-MECO” Power Supply is a newly developed Model with high stability & accuracy. Using latest technology. Its unique block-like structure makes it easily to be extended from single channel to multi-channel. It is an ideal instrument for R & D departments, Colleges & factories.

MODEL

Model	Voltage 0~30V	Current	Single Channel
		0~10A	
Model-KM-PS-3010AB	●	●	●

Input Voltage : 220VAC ± 10% 50 / 60Hz

Rated Output Power : 60W x 2 = 120w (2A)

90W x 2 = 180w(3A)

150W x 2 = 300w(5A)

Operating Ambient : Temperature : 0°C - 40°C

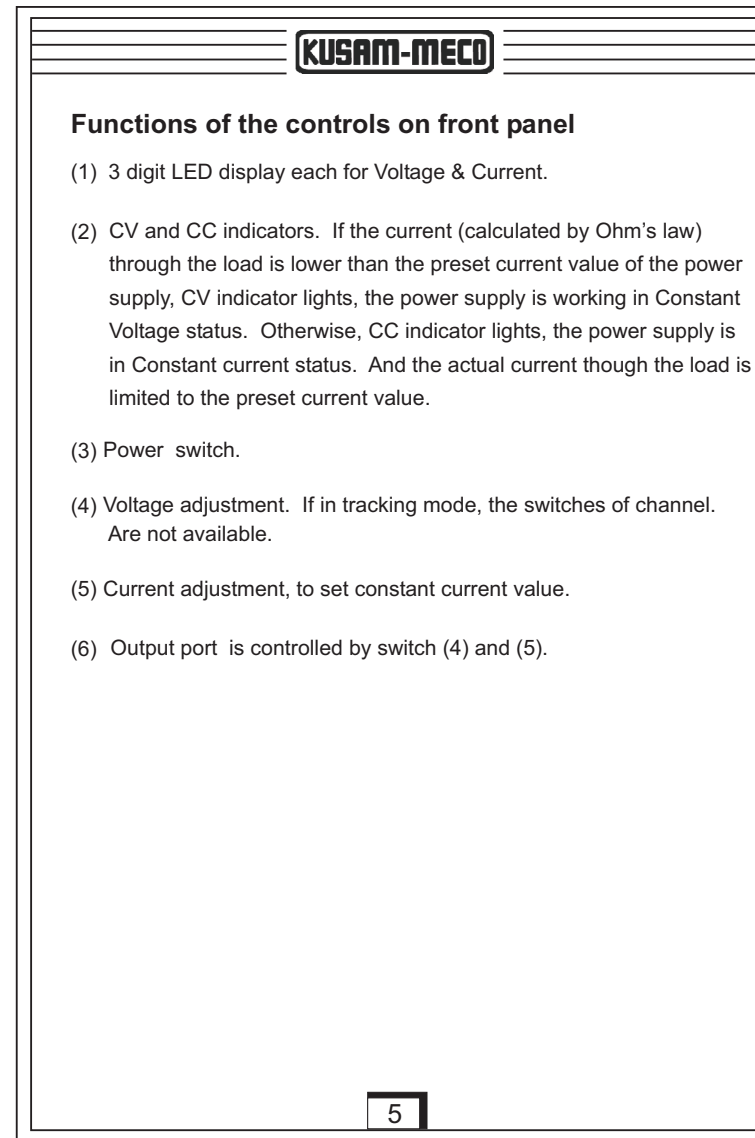
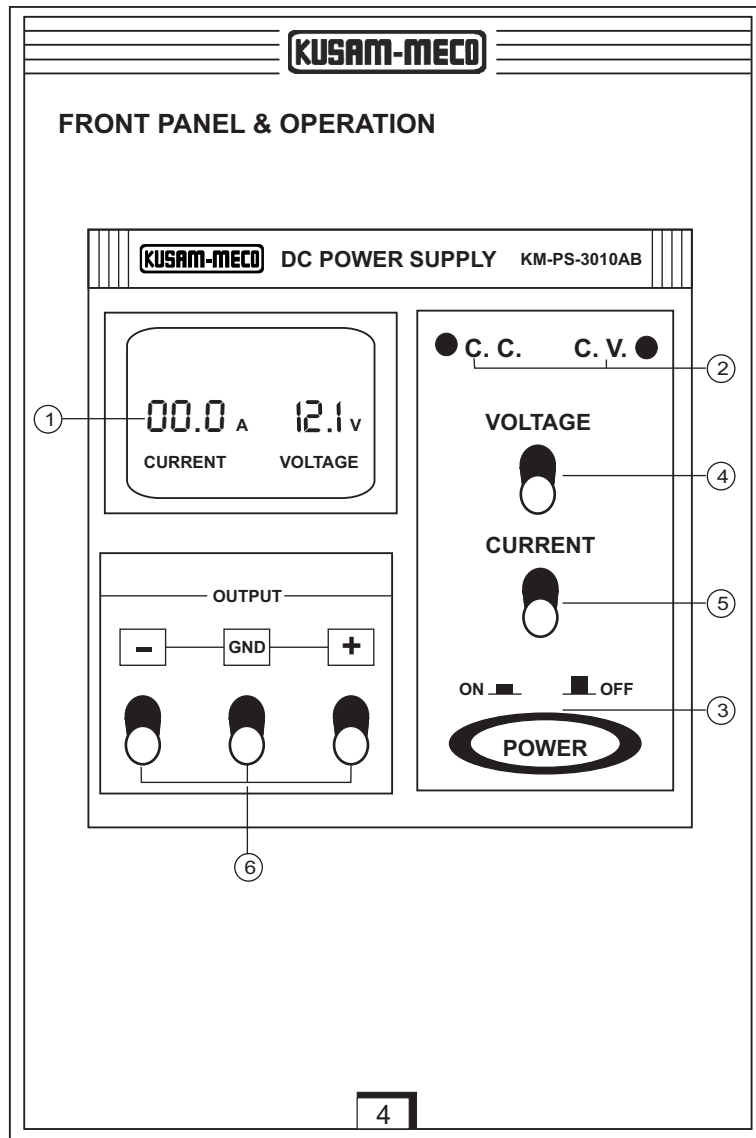
Humidity : 90% RH

Storage Ambient : Temperature : 20°C - 80°C

Humidity : 80% RH

SPECIFICATIONS

Model	KM-PS-3010AB
VARIABLE OUTPUT	
Output Voltage	0~30V continuously adjustable
Output Current	0~10A adjustable
Source Regulation	0.01% + 3mV
Load Regulation	0.01% + 3mV
Ripple & Noise	1mVrms
Display	2 sets of 3 digit LED
Display Error	0.5% + 1digit
OTHERS	
Line Power Supply	220V ± 10% 50 / 60 Hz
Dimension	195 x 140 x 310 (mm)
Weight	Approx. 6kg



OPERATION**CONNECTION OF OUTPUT PORTS :**

Output Port is in floating mode, you can get different polarity voltage by connecting positive or negative terminal on both sides to the ground-terminal in the middle.

VOLTAGE SETTING :

Adjust voltage knob to get desired voltage.

CURRENT SETTING :

Turn current control knob CCW to get a small value of current, short the output port, adjust current knob to get a desired value.

ACCESSORIES :

Power Cord	1pc.
User's Manual	1 pc
Fuse	1pc

CAUTION :

1. If there is no problem with the line power and CV indicator does not light after power on, the fuse probably was blown (open). Power off & disconnect the power cord, and change the fuse.
2. When working in Constant Voltage state, if output voltage lower than what was preset and CC indicator lights, the instrument automatically turn to Constant Current state. You must check the load or increase the output current.
3. When working in Constant Voltage state, if output Current lower than what was preset and CV indicator lights, the instrument automatically turn to Constant Voltage state. You must check the load or increase the output Voltage.
4. When the instrument is unstable in Constant voltage state, Probably the line voltage is under 90% of the rated value. If the problem is not caused by the line voltage, contact your nearest dealer or the company.

MUMBAI
TEST CERTIFICATE
DC POWER SUPPLY

This Test Certificate guarantees 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.

SERIAL NO. KM-PS-3010AB

DATE: _____

**ISO 9001
REGISTERED**

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 proper use, 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's" warranty obligation is limited, at option, 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. "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 transactions are subject to Mumbai Jurisdiction.