

UNI-T UTP3000 Series regulated DC power supply

Operation manual

Overview

UTP3000 series is a kind of economical regulated DC power supply with high quality and stability. LCD 3-digit voltage/current display (optional), full range overload protection, and Min voltage setup make UTP3000 Series the ideal choice for universities and colleges, factory production lines, electrical home appliances maintenance.

Specification

| Model | Voltage | Current | Voltage display | Current display |
|------------|---------|---------|-----------------|-----------------|
| UTP3313TFL | 0~30V | 0~3A | 3-digit | 3-digit |
| UTP3315TFL | 0~30V | 0~5A | 3-digit | 3-digit |

Parameters

1. Rated working environment

Working Voltage: AC 110V /220V \pm 5% 50Hz/60Hz

Working Condition: Temperature 0 ~ +40°C, Relative

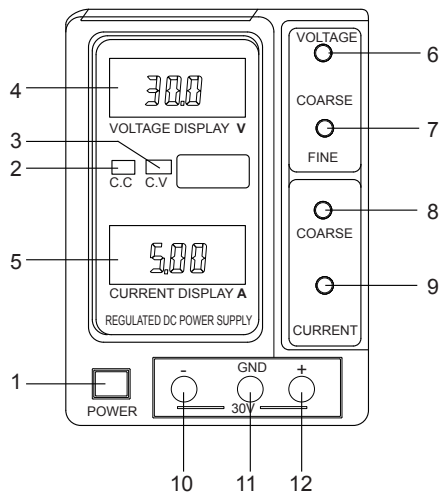
Humidity \leq 85% RH;

Storage Condition: -10 ~ +80°C, Relative Humidity \leq 80% RH

2. Technical specification

| | Constant Voltage (CV) | Constant Current (CC) |
|-------------------------|--------------------------|--|
| Source Effect | $1 \times 10^{-4} + 3mV$ | $1 \times 10^{-4} + 3mA$ (UTP3313TFL) $1 \times 10^{-4} + 5mA$ (UTP3315TFL) |
| Load Effect | $1 \times 10^{-4} + 2mV$ | $2 \times 10^{-4} + 3mA$ |
| Output Ripple and Noise | $\leq 1mV$ | $\leq 5mA$ |
| Temperature coefficient | 300PPm/°C | 500PPm/°C |
| Vaule accuracy | $\leq \pm(0.4\% + 3)$ | $\leq \pm(0.4\% + 3)$ |
| Resolution | 100mV | 10mA |

3. Weight: 2.6~ 2.9 KG; Dimensions: 240x110x160(mm)



1-Power button

2-Indication light: under Constant Current Condition(CC),light is on

3-Indication light: under Constant Voltage Condition(CV),light is on

4-Voltage display Panel

5-Current display Panel

6-Coarse knob for voltage

7-Fine knob for voltage: Match up with Coarse Knob, user can get precise voltage output value.

8-Coarse knob for current

9-Fine knob for current: Match up with Coarse Knob, user can get precise current output value

10-Negative pole: 0~30V(Green)

11-GND: Connected with machine case and grounding power line

12-Positive Pole: 0~30V(Red)

Packing list

| | |
|--------------------------------|--------|
| Main host | 1piece |
| Power line | 1piece |
| Operating manual | 1piece |
| Fuse tube(model:T2A,installed) | 1piece |

◆ Special Explanation

Please place the product properly for good heat radiation and ventilation during working condition. To ensure long term use, UTP3000 series is equipped with temperature sensitive fuse. When inner temperature exceeds 120°C, the fuse will automatically disconnect and the product will stop working as well. When inner temperature goes back to 120 °C below, the fuse will automatically re-connect and the product will start working again.