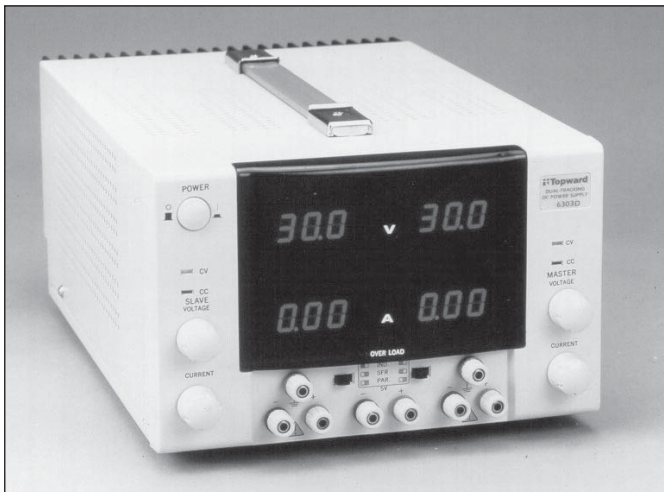


TP3000 SERIES

Laboratory AC/DC Supplies: 60 - 300 Watts



Features

- Input options: 100/120/220/240 VAC
- Analog (A) or Digital (D) meter options
- Constant current/constant voltage operation
- Series or parallel operation
- Short circuit protection
- Coarse and fine voltage control
- Master/slave operation - option R
- Output ON/OFF remote control - option R
- Output current voltage controllable by external variable voltage or resistance - option R
- Voltage/current readback option
- The TP3000 series comes with two analog or optional digital meters. All outputs are floating and can be connected in parallel or series to get multiple currents and voltages.

MODEL	Output		Power W
	V	A	
TP3303A	0 - 30V	3A	90W
TP3303D	0 - 30V	3A	90W
TP3306D	0 - 30V	6A	180W
TP33010D	0 - 30V	10A	300W
TP3601D	0 - 60V	1A	60W
TP3603D	0 - 60V	3A	180W
TP6302A	5V 5A	±0-30V 2A	145W
TP6303A	5V 5A	±0-30V 3A	205W
TP6303D	5V 5A	±0-30V 3A	205W
TP6306A	5V 5A	±0-30V 6A	385W
TP6306D	5V 5A	±0-30V 6A	385W
TP6603D	5V 5A	±0-60V 3A	385w

Specifications

INPUT : 100/120/220/240 VAC ±10%

FREQUENCY: 50 ~ 60Hz

CONSTANT VOLTAGE MODE:

LOAD REGULATION: ±0.01% +2mV

LINE REGULATION: ±0.01% +2mV

RIPPLE & NOISE: 1mV maximum

CONSTANT CURRENT MODE:

LOAD REGULATION: 15mA maximum

LINE REGULATION: ±0.01% +2mA

RIPPLE & NOISE: 3mA rms maximum

DISPLAY ACCURACY: Analog: Full Scale 3%
Digital: ≥ 0.1% +2d

PROGRAMMING SPEED: Rise Time: (no load) ≤0.100ms
Rise Time: (load) ≤500ms
Fall Time: (no load) ≤2.5s
Fall Time: (load) ≤250ms

OUTPUT IMPEDEANCE: <2mΩ +2μH

RECOVERY TIME: For 50-100% load change, ≤100μS to within 0.1% of set voltage

SERIES OPERATION: Different models can be connected in series maximum output ≤240V

PARALLEL OPERATION: Same models can be connected in parallel maximum output ≤24A

MASTER/SLAVE: Option - R (Remote Control)

REMOTE CONTROL OPTION: 0 - 10V control 0 to Volt setting
(Voltage Programming) 0 - 10kΩ control 0 to max. voltage

REMOTE CONTROL OPTION: 0 - 10V control 0 to AMP setting
(Current Programming) 0 - 10kΩ control 0 to max current

READBCK OPTION: Voltage Readback: 0 - 10V proportional to output voltage.
Current Readback: 0 - 0.3V proportional to output current.

REMOTE SENSE: Option (R)

DIMENSIONS: 60 - 90W: 120 x 160 x 295mm
(W x H x D) 180 - 300W: 230 x 160 x 366mm

WEIGHT: 60 - 90W: 6Kg.
180W: 12Kg.
300W: 15Kg.

Instruction Manual is available from our website:
Application Notes: TP3000 Series