Base Instruments

Technology Teaching Instruments

www.baseinstruments.com



Indication

REGULATED DC POWER SUPPLIES

Description Regulated power supplies are ideally suitable and simple to use power source for students and professionals for their experiments in electric and electronic circuits. These power supplies are safe to use, rugged in construction reliable and easy in operation. Single, Dual, Triple and Multi output power supplies are designed specially to meet the requirements of industrial educational laboratory applications with high regulation, stability, low noise and ripple with either digital or analog displays. Each variable output operates in constant voltage (CV) or constant current (CC) mode and protected from overload and short circuit and all power supplies are provided adequate externally serviceable fuse and internal thermal fuse for transformer to enhance the safety level of users as well as the instruments. Theses power supplies

comply all international safety standards.

| _ | 2). CC mode | : Output range 0 to rated |
|---|--|---------------------------------|
| | | current continuously |
| | Line Description | adjustable |
| | Line Regulation | : <0.1%± 250µA for ± 10% |
| _ | Lood Dogulation | change in line |
| | Load Regulation | : <0.1%±250µA for change in |
| | Pinnle & noise | $\sim 0.05\%$ rms |
| | Indication | : CC mode BED LED |
| _ | Tracking Mode | |
| | Tracking operation | : For Dual. Triple & Multi outs |
| | 1) Independent | : Output varies from 0 to rated |
| | , | voltage & current |
| | 2) Series | : Output varies from 0 to |
| | • | double the rated voltage at |
| | | rated current |
| t | 3) Parallel | : Output varies from 0 to |
| | | double the rated current at |
| t | | rated voltage |
| | Tracking Error | : ≤0.5% +10mV of the Master |
| | Series Regulation | : ≤300mV |
| | Protections | : Automatic Overload and |
| ۲ | | Short circuit protection. |
| | Thermal protection is also | |
| | provided by cooling fans(only | |
| - | or Dual Triple & Multi output | |
| : | Power Supplies | |
| | Input voltage | : AC 230 V± 10%, 50Hz Single |
| | | phase (110 VAC (optional) |
| | Other Power Supplies | |
| | Single, Dual and Triple output | |
| | Programmable Power Supplies | |
| | Power Supplies with PC interface | |
| | Custom Built Power Supplies | |

We pursue a policy of continuous development & product improvements, thus the specification in this document & view of the front panel may change without notice -34/43, Sarvodaya Nagar, Near Aaray Traffic signal, Western Express Highway, Goregaon (East) Mumbai. 400063 hones: 022-29277177, 022-29277188 Telefax: 022-29277188 Email: baseinstruments@gmail.com

: CV mode GREEN LED