



REVISIONS

DOC. NO. SPC-F004 * Effective: 7/8/02 * DCP No: 1398

| DCP # | REV | DESCRIPTION | DRAWN | DATE | CHECKD | DATE | APPRVD | DATE |
|-------|-----|-------------|-------|----------|--------|----------|--------|----------|
| 1754 | A | RELEASED | DCM | 11/19/05 | HO | 11/21/05 | JWM | 11/21/05 |
| | | | | | | | | |



- Easy Operation, with UP/DOWN Key
- Operating Current: 6mA ~ 60A
- Operating Power: 1 ~ 300W
- Operating Voltage: DC 3 ~ 60V
- High Resolution: 20mV, 0.2mA, 0.33mW
- Over Voltage, Over Current, Over Power Protection
- Memory Store and Recall: 100 Points
- Max. Power: 300 W
- Operation Mode: Constant Voltage mode, Constant Current mode, Constant Resistance mode
- Transient Generator Frequency
Frequency Range: 1Hz ~ 1kHz ; Duty Range 10% ~ 90%
- Self-Test and Software Calibration
- Meet UL, CSA, IEC Safety Regulation

SPC-F004.DWG

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|--|-----------------|----------|-----------------------------------|-------------|-----------------|--------|
| <p>TOLERANCES: UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE FOR REFERENCE PURPOSES ONLY.</p> | DRAWN BY: | DATE: | DRAWING TITLE: | | | |
| | Daniel Mcvicker | 11/19/05 | Programmable D.C. Electronic Load | | | |
| | CHECKED BY: | DATE: | SIZE | DWG. NO. | ELECTRONIC FILE | REV |
| | Hisham Odish | 11/21/05 | A | 72-7680 | 96H1235.dwg | A |
| APPROVED BY: | DATE: | SCALE: | | U.O.M.: | | SHEET: |
| JWM | 11/21/05 | NTS | | Millimeters | | 1 OF 2 |

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| | | |
|---|-----------------------|---|
| RATING | Operating Voltage | DC 3 ~ 60V |
| | Operating Current | 6mA ~ 60A |
| | Operating Power | 1 ~ 300W |
| | Minimum Operation | 3V |
| CV MODE | Operating Range | 3 ~ 60V |
| | Setting Accuracy | $\pm(0.1\% + 40\text{mV})$ |
| | Setting Resolution | 20mV |
| CC MODE | Operating Range | 6mA ~ 60A |
| | Setting Accuracy | 6.02A ~ 60A Range $\pm(0.5\% + 100\text{mA})$ |
| | | 0.602A ~ 6A Range $\pm(0.1\% + 10\text{mA})$ |
| | | 6mA ~ 0.6A Range $\pm(0.1\% + 1\text{mA})$ |
| | Setting Resolution | 6.02A ~ 60A Range 20mA |
| 0.602A ~ 6A Range 2mA | | |
| 6mA ~ 0.6A Range 0.2mA | | |
| CR MODE | Operating Range | 50mW ~ 1k W |
| | Setting Accuracy | 100.33W ~ 1kW $\pm(5\% + 1\text{W})$ |
| | | 10.033W ~ 100W $\pm(5\% + 100\text{mW})$ |
| | | 1.0033W ~ 10W $\pm(5\% + 1\text{mW})$ |
| | Setting Resolution | 50m W ~ 1W $\pm(5\% + 1\text{mW})$ |
| | | 100.33 W ~ 1k W 330mW |
| | | 10.033W ~ 100 W 33mW |
| 1.0033 W ~ 10 W 3.3mW | | |
| DYNAMIC OPERATION CC MODE ONLY | Frequency Range | 1Hz ~ 1kHz |
| | Resolution | 105Hz ~ 1kHz Range 5Hz |
| | | 10.5Hz ~ 100Hz Range 0.5Hz |
| | | 1Hz ~ 10Hz Range 0.05Hz |
| | Duty Range | 10% ~ 90% |
| Resolution | 1% | |
| VOLTAGE READBACK | Accuracy | $\pm(0.1\% + 60\text{mV})$ |
| CURRENT READBACK | Accuracy | 6.02A ~ 60A Range $\pm(0.5\% + 100\text{mA})$ |
| | | 0.602A ~ 6A Range $\pm(0.1\% + 10\text{mA})$ |
| | | 6mA ~ 0.6A Range $\pm(0.1\% + 1\text{mA})$ |
| | Resolution | 6.02A ~ 60A Range 20mA |
| | | 0.602A ~ 6A Range 2mA |
| 6mA ~ 0.6A Range 0.2mA | | |
| MEMORY | Store / Recall Points | 0 ~ 99 |
| TIMER | Range | 1 sec ~ 999 Min 59 sec |
| | Resolution | 1 sec |
| | Function | for load on |
| POWER SOURCE | | AC100V/120V/220V/240V $\pm 10\%$, 50/60Hz |
| ACCESSORIES | | Power cord x 1, Instruction manual x 1 |
| DIMENSIONS & WEIGHT | | 255(W) x 145(H) x 346(D) mm, Approx. 9kg |

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SPC-F004.DWG

SIZE DWG. NO.

A 72-7680

ELECTRONIC FILE

96H1235.dwg

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SCALE: NTS

U.O.M.: Millimeters

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