

# Data Sheet

## Programmable DC Power Supplies Models 1785B, 1786B, 1787B & 1788

### Programmable DC Power Supplies

Models 1785B, 1786B, 1787B & 1788 are Programmable DC Power Supplies that offer new levels of "ease of use" and programmable functionality. Direct key in entry makes voltage and current selection fast, accurate and easy. In case calibration allows for simple, cost savings, uninterrupted operation.



Model 1788

### Common Features:

- Sixteen user programmable preset outputs
- Controllable Output On/Off Switch
- 10 mV/10 mA settable resolution
- Closed case calibration
- Low ripple and noise
- Excellent temperature stability
- Serial interface cable and software included

| Specifications  | 1785B  | 1786B             | 1787B   | 1788    |
|---|--|-------------------|---------|---------|
| <b>Parameter</b>  |  |                   |         |         |
| <b>Output Ratings,</b><br>(0 °C - 40 °C)  |  |                   |         |         |
| Voltage   | 0 ~18 V  | 0 ~32 V           | 0 ~72 V | 0 ~32 V |
| Current   | 0 ~5 A   | 0 ~3 A            | 0~1.5 A | 0~6 A   |
| <b>Load Regulation,</b><br>±(% of output +offset)   |  |                   |         |         |
| Voltage   | <0.01% + 3 mV , Model 1788 = <0.02% + 5 mV         |                   |         |         |
| Current   | <0.1% + 3 mA                                       |                   |         |         |
| <b>Line Regulation,</b><br>±(% of output +offset)   |  |                   |         |         |
| Voltage   | <0.1% + 3 mV                                       |                   |         |         |
| Current   | <0.1% + 2 mA                                       |                   |         |         |
| <b>Ripple,</b><br>(20 Hz ~20 MHz)   |  |                   |         |         |
| Voltage   | ≤ 1 mVrms/3 mVpp                                   |                   |         |         |
| Current   | 5 mArms  |                   |         |         |
| Dimensions (WxHxD)  | 10" x 4.16" x 15" (255.7 mm x 105.7 mm x 382.7 mm) |                   |         |         |
| Weight  | 14 lbs (6.4 kg)                                    | 16.5 lbs (7.5 kg) |         |         |
| <b>One Year Warranty</b>  |  |                   |         |         |
| Included Accessories: User manual, Software Installation Disk, power line cord, IT-E131 RS232 to TTL serial converter cable |  |                   |         |         |