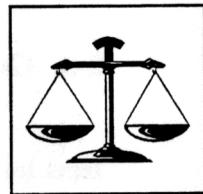


## SECTION II SPECIFICATIONS & OPTIONS



### 2-1. 2500EP Accuracy (12 months at 20°C to 30°C)

Range	Maximum Output	Maximum Input [1]	Accuracy (DC to 5kHz maximum)	
			DC (% of output)	AC (% of output)
100µA	200µA	2V	± 0.01% ± 40nA	± 0.05% ± 200nA [2][3]
1mA	2mA	2V	± 0.01% ± 400nA	± 0.05% ± 2µA [2]
10mA	20mA	2V	± 0.01% ± 4µA	± 0.05% ± 20µA [2]
100mA	200mA	2V	± 0.01% ± 40µA	± 0.05% ± 200µA [2]
1A	2A	2V	± 0.01% ± 400µA	± 0.05% ± 2mA [2]
10A	10A	1V	± 0.01% ± 4mA	± 0.05% ± 20mA [2]

[1] DC or AC<sub>RMS</sub>

[2] Add ± 0.01% of range x compliance voltage x frequency (kHz) for compliance voltages greater than 2V<sub>RMS</sub>.

[3] Add ± 0.5% of output above 1kHz.

### 2-2. 2500EN Accuracy (12 months at 20°C to 30°C)

Range	Maximum Output	Maximum Input [1]	Accuracy (DC to 500Hz maximum)	
			DC (% of output)	AC (% of output)
100µA	200µA	20V	± 0.01% ± 40nA	± 0.05% ± 200nA [2]
1mA	2mA	20V	± 0.01% ± 400nA	± 0.05% ± 2µA [2]
10mA	20mA	20V	± 0.01% ± 4µA	± 0.05% ± 20µA [2]
100mA	200mA	20V	± 0.01% ± 40µA	± 0.05% ± 200µA [2]
1A	2A	20V	± 0.01% ± 400µA	± 0.05% ± 2mA [2]
10A	10A	10V	± 0.01% ± 4mA	± 0.05% ± 20mA [2]

[1] DC or AC<sub>RMS</sub>

[2] Add ± 0.01% of range x compliance voltage x frequency (kHz) for compliance voltages greater than 2V<sub>RMS</sub>.

### 2-3. General Specifications

Input Impedance	100kΩ (10MΩ for 2500EN)
Output Capacitance	500pF
Compliance Voltage	10V <sub>Peak</sub> linearly decreasing to 7V <sub>Peak</sub> 10A <sub>RMS</sub>
Short-term Maximum Output	12A <sub>RMS</sub> for minutes maximum (25% max duty cycle)
Maximum Input Voltage	3V <sub>Peak</sub> (30V <sub>Peak</sub> for 2500EN) without damage
Output Protection	Fuse protected @15 amps
Common Mode Voltage (input→output)	10V maximum
Common Mode Voltage (to ground)	100V maximum
CMRR (input→output)	60dB RTI at DC linearly decreasing to 40dB at 5kHz
Temperature Range	Operating 0°C to 50°C (Storage -40°C to 70°C)
Humidity	70% RH maximum @ 45°C (non-condensing)
Temperature Coefficient	10% of Accuracy specification per °C
Size	7"(43cm)W 17"(43cm)D 5.5"(13.5cm)H
Weight	29lbs (13.5kg) / 36lbs (16.5kg) shipping

