

## PLUG-IN UNIT POWER SUPPLY



- **ACCEPTS MULTI-TRACE, DIFFERENTIAL, SPECTRUM ANALYZER, AND SAMPLING PLUG-IN UNITS**

- **DC-to-16 MHz BANDWIDTH**

The Type 132 provides an electronically regulated power supply and amplifier for any Tektronix Letter-Series or "1" Series Plug-In Unit.

Convenient front-panel terminals for either push-pull or single-ended output facilitate connections to associated equipment.

### CHARACTERISTICS

#### BANDWIDTH

DC to 16 MHz at 3-dB down, depending on plug-in unit and load impedance. See chart.

#### GAIN

10 (push-pull) when using a Tektronix Plug-In Unit at 50 mV/cm deflection factor, terminated with a 93-Ω load (approximately 5 into 50-Ω load).

#### OUTPUT

Push-pull, or single-ended + or - outputs on front panel.

#### OUTPUT VOLTAGE

Source impedance is  $\approx 5\text{ k}\Omega$  with  $\pm 10\text{ mA}$  available short circuited. With 93-Ω load, voltage swing is  $\approx \pm 1\text{ V}$  max. No load, voltage is  $\pm 50\text{ V}$  single ended or  $\pm 100\text{ V}$  push-pull.

#### DUAL-TRACE OPERATION

Back-panel jacks and switching arrangements provide for use of the alternate and chopped modes of operation including blanking, with a Tektronix Multi-Trace Plug-In Unit (1A1, 1A2, CA, 1A4 or M).

#### POWER REQUIREMENTS

Wired for 105 to 125 VAC (117 V nominal); transformer taps permit operation at 110, 117, 124, 220, 234, or 248 VAC; 50 to 60 Hz. Approx 320-W power consumption. Can be factory wired for any of the above nominal voltages, if so indicated on order.

#### DIMENSIONS AND WEIGHTS

Height	10 <sup>3</sup> / <sub>16</sub> in	25.9 cm
Width	6 <sup>7</sup> / <sub>8</sub> in	17.5 cm
Depth	18 <sup>15</sup> / <sub>16</sub> in	48.1 cm
Net weight	21 lb	9.5 kg
Domestic shipping weight	$\approx 26\text{ lb}$	$\approx 11.8\text{ kg}$
Export-packed weight	$\approx 33\text{ lb}$	$\approx 15.0\text{ kg}$

#### INCLUDED STANDARD ACCESSORIES

Two 93 Ω terminations (011-0056-00); two 93 Ω cables (012-0075-00); 3-conductor power cord (161-0010-03); 3 to 2-wire adapter (103-0013-00); two instruction manuals (070-0288-01).

Please refer to Terms and Shipment, General Information page.

PLUG-IN TYPE	TYPE 132 TYPICAL PERFORMANCE†			
	TERMINATED IN 93 Ω		DOUBLE TERMINATED 93 Ω	
	SYSTEM GAIN‡	BANDWIDTH	SYSTEM GAIN‡	BANDWIDTH
B	100	10 MHz	50	10 MHz
	10	14 MHz	5	16 MHz
CA	10	14 MHz	5	16 MHz
D	10	2 MHz	5	2 MHz
	500	300 kHz	250	300 kHz
E	10,000	See page 280	5000	See Page 280
G	10	14 MHz	5	16 MHz
H	100	11 MHz	50	12 MHz
K	10	14 MHz	5	16 MHz
L	100	14 MHz	50	16 MHz
	10	14 MHz	5	16 MHz
M	10	14 MHz	5	16 MHz
O	10	14 MHz	5	16 MHz
Q		6 kHz		6 kHz
W	500	7 MHz	250	7 MHz
	10	14 MHz	5	16 MHz
Z	10	10 MHz	5	10 MHz
1A1	100	14 MHz	50	16 MHz
1A2	10	14 MHz	5	16 MHz
1A4	50	14 MHz	25	16 MHz
1A5	500	13 MHz	250	15 MHz
	250	14 MHz	125	16 MHz
1A6	500	2 MHz	250	2 MHz
1A7A	Useful to 20,000	1 MHz	Useful to 10,000	1 MHz
1L5	500	1 MHz	250	1 MHz
		Spectrum Analyzer 10 Hz to 1 MHz		
1L10		Spectrum Analyzer 1 MHz to 36 MHz		
1L20		Spectrum Analyzer 10 MHz to 4.2 GHz		
1L30		Spectrum Analyzer 925 MHz to 10.5 GHz		
1S1	250	Equip to 1 GHz	125	Equip to 1 GHz
1S2	100	Equip to 3.9 GHz	50	Equip to 3.9 GHz

†Push-pull output, monitored with DC-to-24 MHz oscilloscope.  
‡System Gain = Overall gain from input of plug-in to the push-pull output cables.  
Spectrum Analyzer Units require an external sweep voltage (positive going from 0 to at least +90 V). This can be supplied from an associated oscilloscope with this output.