# 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- $\Omega$  load (approximately 5 into 50- $\Omega$  load).

#### OUTPUT

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

### **OUTPUT VOLTAGE**

Source impedance is  $\approx\!\!5\,\mathrm{k}\Omega$  with  $\pm10\,\mathrm{mA}$  available short circuited. With 93- $\Omega$  load, voltage swing is  $\approx\!\pm1\,\mathrm{V}$  max. No load, voltage is  $\pm50\,\mathrm{V}$  single ended or  $\pm100\,\mathrm{V}$  pushpull.

# 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.

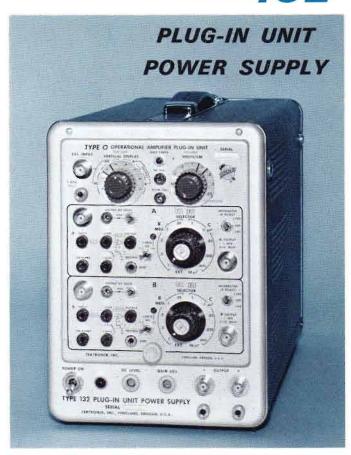
# DIMENSIONS AND WEIGHTS

Height	10³/ <sub>16</sub> in	25.9 cm
Width	67/ <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	pprox26 lb	≈11.8 kg
Export-packed weight	pprox33 lb	pprox15.0 kg

## INCLUDED STANDARD ACCESSORIES

Two 93  $\Omega$  terminations (011-0056-00); two 93  $\Omega$  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	TERMINAT	ED IN 93 Ω	DOUBLE TERM	NATED 93 Q
TYPE	SYSTEM GAINT	BANDWIDTH	SYSTEM GAINT	BANDWIDTH
В	100 10	10 MHz 14 MHz	50 5	10 MHz 16 MHz
CA	10	14 MHz	5	16 MHz
D	10 500	2 MHz 300 kHz	5 250	2 MHz 300 kHz
E	10,000	See page 280	5000	See Page 280
G	10	14 MHz	5	16 MHz
н	100	11 MHz	50	12 MHz
K	10	14 MHz	5	16 MHz
L	100 10	14 MHz 14 MHz	50 5	16 MHz 16 MHz
M	10	i 4 MHz	5	16 MHz
0	10	14 MHz	5	16 MHz
Q		6 kHz		6 kHz
W	500 10	7 MHz 14 MHz	250 5	7 MHz 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	500 250	13 MHz 14 MHz	250 125	15 MHz 16 MHz
1A6	500	2 MHz	250	2 MHz
1A7A	Useful to 20,000	1 MHz	Useful to 10,000	1 MHz
11.5	500 Spectrum An	1 MHz alyzer 10 Hz to 1	250 MHz	1 MHz
1110	Spectrum An	alyzer 1 MHz to	36 MHz	
1L20		alyzer 10 MHz to		
1L30	Spectrum Analyzer 925 MHz to 10.5 GHz			
151	250	Equiv to 1 GHz	125	Equiv to 1 GHz
152	100	Equiv to 3.9 GHz	50	Equiv to 3.9 GHz

†Push-pull output, monitored with DC-to-24 MHz oscilloscope.

 $\mbox{\$ System Gain} = \mbox{Overall gain from input of plug-in to the push-pull output cables.}$ 

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.