NEW

7A16 Amplifier 7A16

SPECIFICATIONS

DEFLECTION FACTOR

5 mV/div to 5 V/div in 10 calibrated steps (1-2-5 sequence). Accuracy is within 2% with GAIN adjusted at 10 mV/div. Uncalibrated VARIABLE is continuous between steps.

BANDWIDTH

FULL BANDWIDTH Mode

Mainframe	Bandwidth —3 dB	Risetime
7704	150 MHz	2.4 ns
7504	90 MHz	3.9 ns
7503	90 MHz	3.9 ns

20 MHz BANDWIDTH Mode—DC to 20 MHz within 3 MHz.

AC COUPLED—10 Hz or less (lower −3 dB bandwidth).

INPUT R and C

1 MΩ within 2%; 15 pF within 0.5 pF.

MAX INPUT VOLTAGE

DC COUPLED—500 V (DC + peak AC), AC component of 1 kHz or less.

AC COUPLED—500 V DC.

MAX INPUT GATE CURRENT

0.1 nA or less 0°C to +35°C.
3.0 nA or less +35°C to +50°C.

DC DRIFT

DRIFT WITH TIME (ambient temperature constant).

SHORT TERM—250 μV/min P-P or 0.05 div whichever is greater, 1 hour after turn-on.

LONG TERM—250 μV/hr P-P or 0.05 div whichever is greater, 1 hour after turn-on.

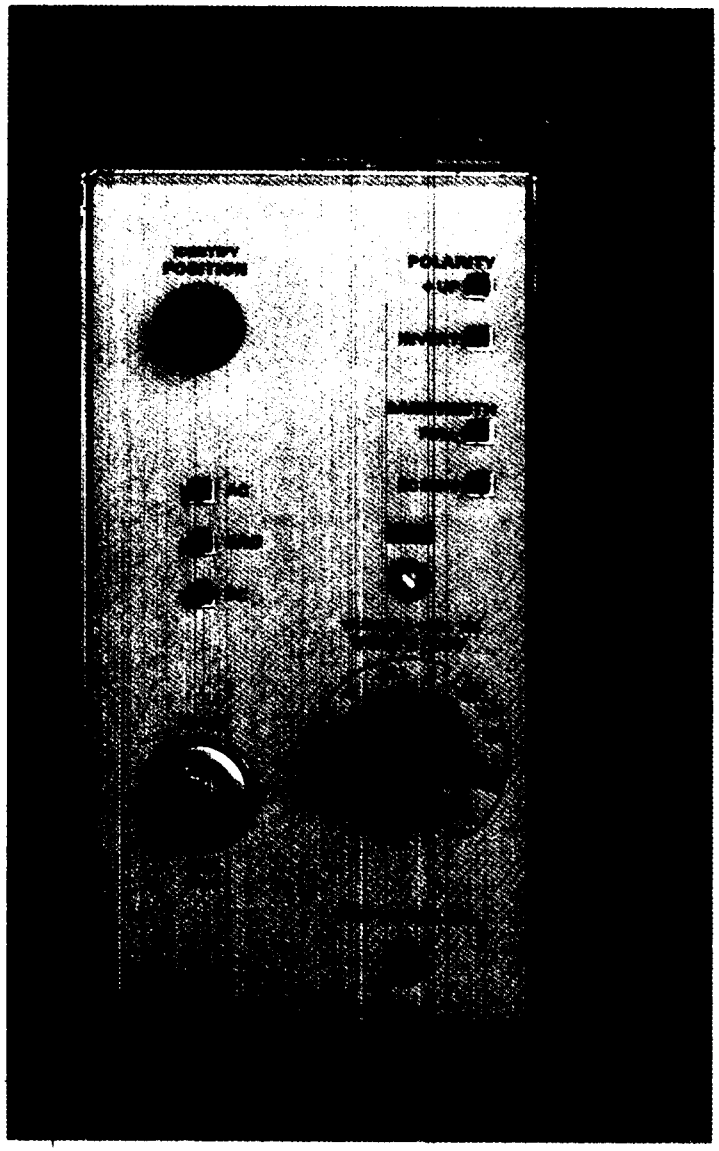
DRIFT WITH AMBIENT TEMPERATURE—100 μV/°C or less.

INCLUDED STANDARD ACCESSORIES

Two instruction manuals (070-0980-00).

7A16 AMPLIFIER **$600**

U.S. Sales Price FOB Beaverton, Oregon
Please refer to Terms and Shipment, General Information page.



DESCRIPTION

The 7A16 is a wideband plug-in amplifier for the 7000-Series mainframes. It features constant bandwidth (150 MHz in the 7704, 90 MHz in the 7504 and 7503) over the deflection factor range of 5 mV/div to 5 V/div. Polarity of the display is selectable, as is bandwidth, which can be either FULL or limited to 20 MHz for low frequency applications. The 7A16 should be considered as half the vertical capability. The two mainframe channels allow the 7A16 to be used alone, or with another single-trace vertical unit for dual-trace operation. The 7A16 can also be used in the horizontal channels for X-Y operation.

PROBES

The P6053 (10X) probe is recommended for use with the 7A16 for frequency response and Auto Scale Factor Readout compatibility.