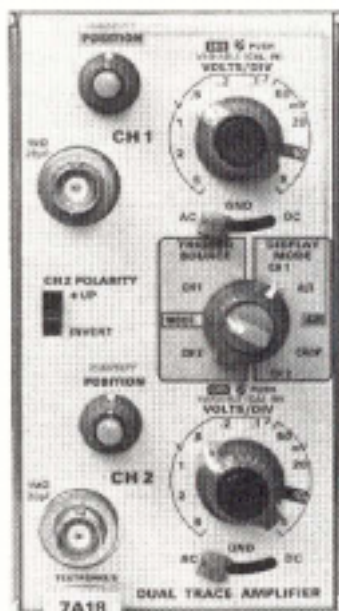


## 7A18



### Dc to 75 MHz Dual Trace Amplifier

## 7A18

### Dc to 75 MHz Bandwidth

### 5 mV/div to 5 V/div

### Calibrated Deflection Factors

### 1 M $\Omega$ Input

The 7A18, the basic building block of 3- and 4-trace operation, is a dual-trace plug-in amplifier. The 7A18 features constant bandwidth for all deflection factors, 5 operating modes (Ch 1, Ch 2, ALT, CHOP, ADD), trigger source selectivity and color-keyed control grouping. The 7A18 has a trace identify function. Polarity of channel 2 is selectable.

**Deflection Factor** — 5 mV/div to 5 V/div in 10 calibrated steps (1-2-5 sequence). Accuracy is within 2% with gain adjusted to 10 mV/div. Uncalibrated VARIABLE is continuous between steps to at least 12.5 V/div.

**Input R and C** — 1 M $\Omega$  within 2%;  $\approx 20$  pF.

**Max Input Voltage** — Dc-coupled: 250 V (dc + peak ac); ac component 500 V p-p max, 1 kHz or less. Ac-coupled: 500 V (dc + peak ac); ac component 500 V p-p max, 1 kHz or less.

**Dc Stability** — Drift with ambient temperature (constant line voltage) is 0.01 div/ $^{\circ}$ C. Drift with time (ambient temperature and line voltage constant) is 0.02 div in any one minute after 1 hour warm-up.

**Common-Mode Rejection Ratio (ADD, Ch 2 Invert)** — At least 10:1, dc to 50 MHz.

### Order 7A18 Amplifier

#### DC OFFSET OPTION

Dc Offset is for the user who needs to analyze small signals that are riding on larger signals, such as power supply ripple.

**Option 06, Dc Offset** — Two separate Channel 1 and Channel 2 variable offset controls are concentric with the position controls replacing the identify push-buttons of the standard 7A18. The ac-dc-ground switch of each channel is expanded to accommodate a fourth position for dc offset.

**Offset Range Display** —  $\pm 200$  div max, equivalent to  $\pm 1$  V at 5 mV/div.

**Accuracy** — When in DC OFFSET the deflection accuracy is derated by 1%.

### Order Option 06 Dc Offset