

COMMERCIAL OSCILLOSCOPES AND RELATED EQUIPMENT

TELEVISION EQUIPMENT CORP. MODEL T-602

FREQUENCY RESPONSE

Vertical Amplifier 2 cps to 750 kc, $\pm 10\%$
Horizontal Amplifier 2 cps to 325 kc, $\pm 10\%$
Sweep Circuit 1 cps to 50 kc

DEFLECTION FACTORS

Vertical Amplifier 1 rms mv/inch
Vertical-Deflection Plates 215 rms volts/inch
Horizontal Amplifier 60 rms mv/inch
Z-Axis Amplifier 2 volts rms visible

The schematic circuit diagram of Model T-602 is shown in Fig. 22-68.

TRIUMPH MODEL 840

FREQUENCY RESPONSE

Vertical Amplifier 10 cps to 100 kc
Horizontal Amplifier 10 cps to 100 kc
Sweep Circuit 7 cps to 30 kc

DEFLECTION FACTORS

Vertical Amplifier 0.4 rms volts/inch
Vertical-Deflection Plates 18 rms volts/inch
Horizontal Amplifier 0.45 rms volts/inch
Horizontal-Deflection Plates 20 rms volts/inch

LINE RATING 115 volts, 50-60 cps

TUBE COMPLEMENT

<i>Type</i>	<i>Function</i>
6SJ7 (VT1)	Vertical Amplifier
6SJ7 (VT2)	Horizontal Amplifier
884 (VT3)	Sweep Oscillator
6J5 (VT4)	Return Trace-Blanking Tube
3AP1/906P1 (VT5)	Cathode-Ray Tube
1V (VT6)	High-Voltage Rectifier
6X5 (VT7)	Low-Voltage Rectifier

The schematic circuit diagram for Model 840 is shown in Fig. 22-69.

TRIUMPH MODEL 841

FREQUENCY RESPONSE

Vertical Amplifier From 10 cps to 100 kc, ± 2 db
Horizontal Amplifier From 10 cps to 100 kc, ± 2 db
Sweep Circuit 7 cps to 30 kc

DEFLECTION FACTORS

Vertical Amplifier 0.8 rms volts/inch
Vertical-Deflection Plates 31.5 rms volts/inch
Horizontal Amplifier 1 rms volts/inch
Horizontal-Deflection Plates 42.5 rms volts/inch

LINE RATING 105-125 volts, 50-70 cps

TUBE COMPLEMENT

<i>Type</i>	<i>Function</i>
6AC7 (V101)	Vertical Amplifier
6AC7 (V102)	Horizontal Amplifier
884 (V103)	Sweep Oscillator
3BP1 (V104)	Cathode-Ray Tube
2X2 (V105)	High-Voltage Rectifier
6X5GT (V106)	Low-Voltage Rectifier

The schematic circuit diagram of Model 841 is shown in Fig. 22-70.

TRIUMPH MODEL 850

FREQUENCY RESPONSE

Vertical Amplifier 5 cps to 50 kc
Horizontal Amplifier 5 cps to 100 kc
Sweep Circuit 5 cps to 30 kc

DEFLECTION FACTORS

Vertical Amplifier 0.02 rms volts/inch
Vertical-Deflection Plates Direct 20 rms volts/inch
Horizontal Amplifier 0.45 rms volts/inch
Horizontal-Deflection Plates Direct 20 rms volts/inch

LINE RATING 115 volts, 40-60 cps

TUBE COMPLEMENT

<i>Type</i>	<i>Function</i>
6SJ7 (VT1)	Vertical-Amplifier Input
6SJ7 (VT2)	Vertical-Amplifier Output
6SJ7 (VT3)	Horizontal Amplifier
884 (VT4)	Sweep Oscillator
6J5 (VT5)	Blanking Tube
5BP1/1802P1 (VT6)	Cathode-Ray Tube
2X2/879 (VT7)	High-Voltage Rectifier
6X5 (VT8)	Low-Voltage Rectifier

The schematic circuit diagram of Model 850 is shown in Fig. 22-71.

