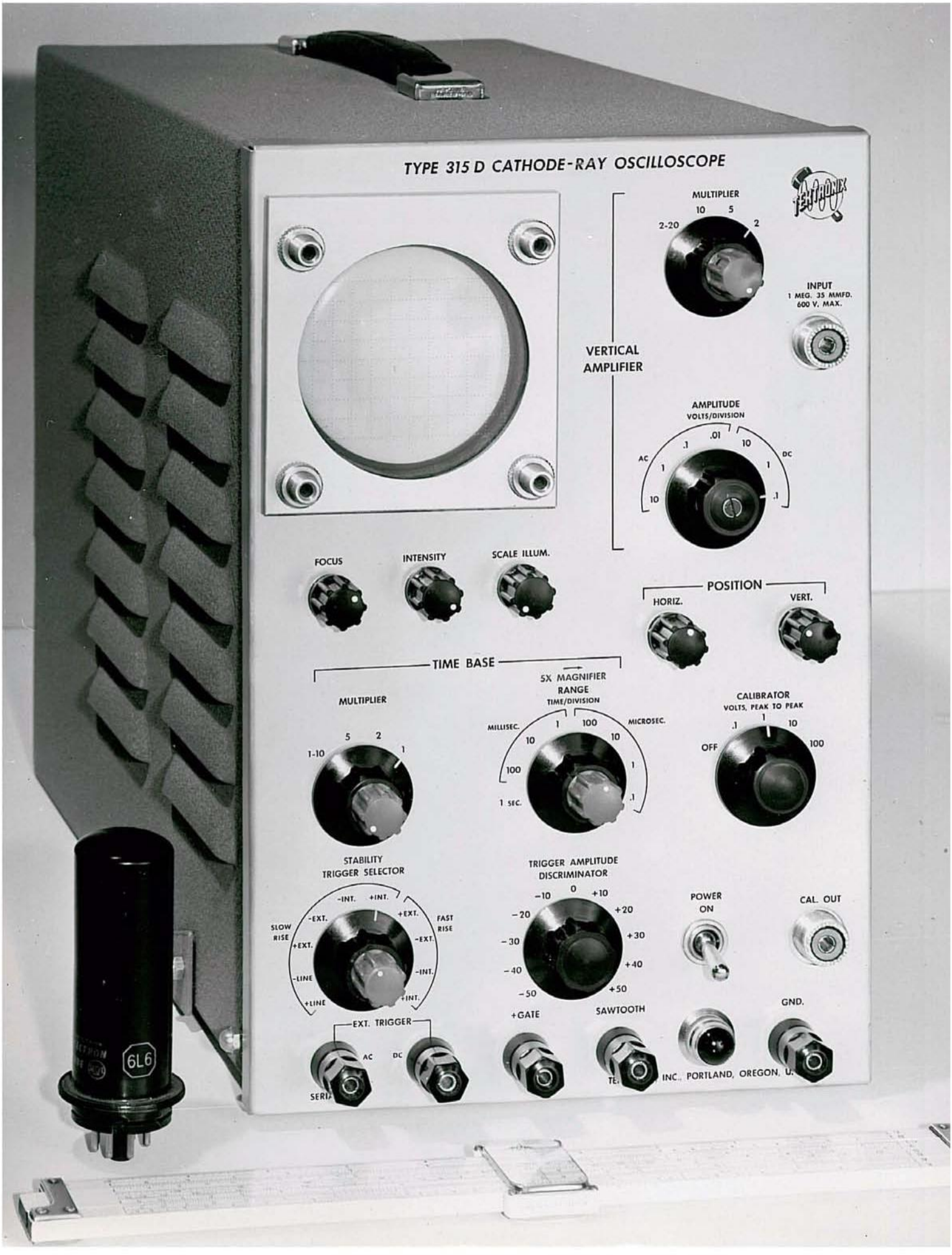
PHOTO-MANUAL

Manufacturers of

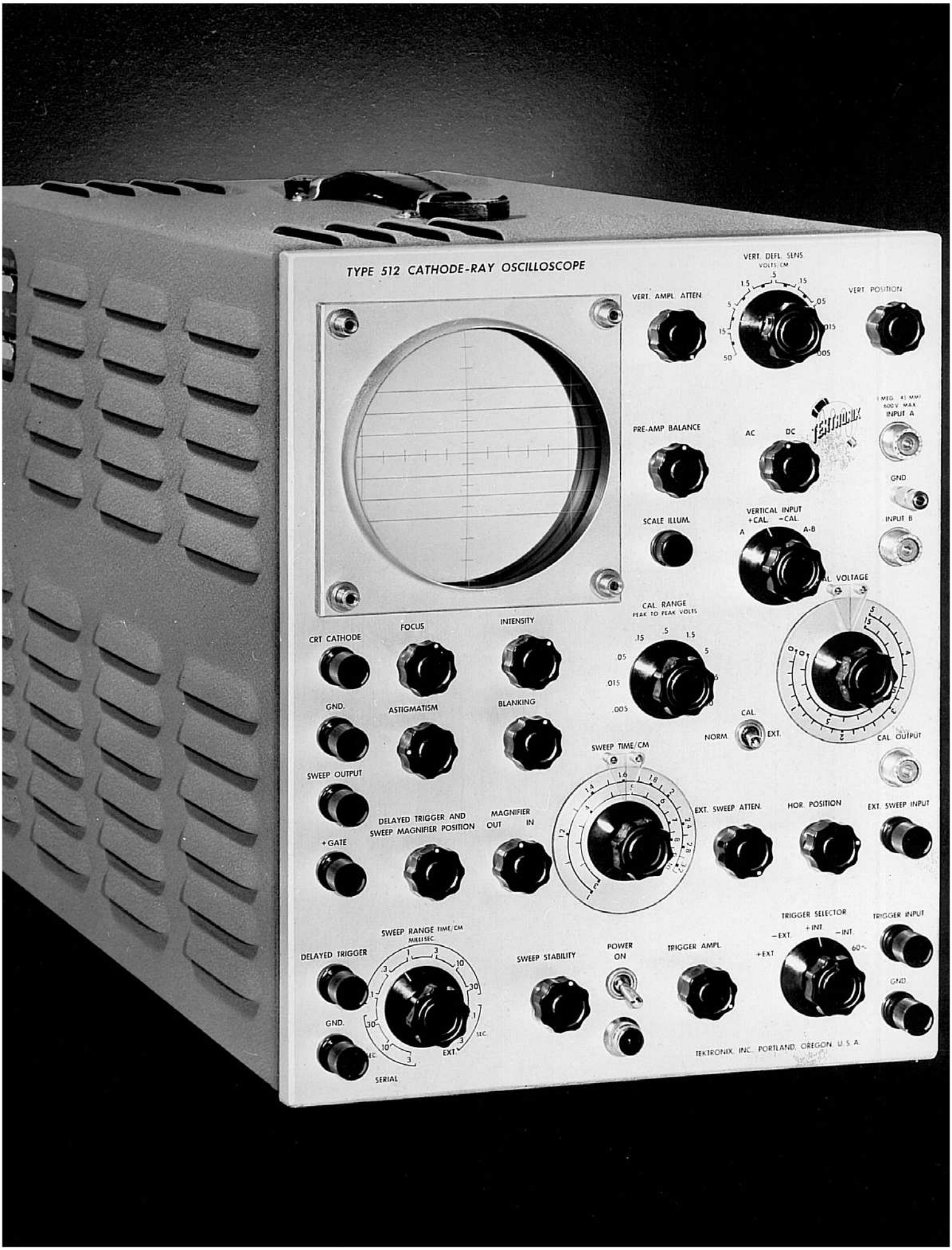
CATHODE-RAY OSCILLOSCOPES

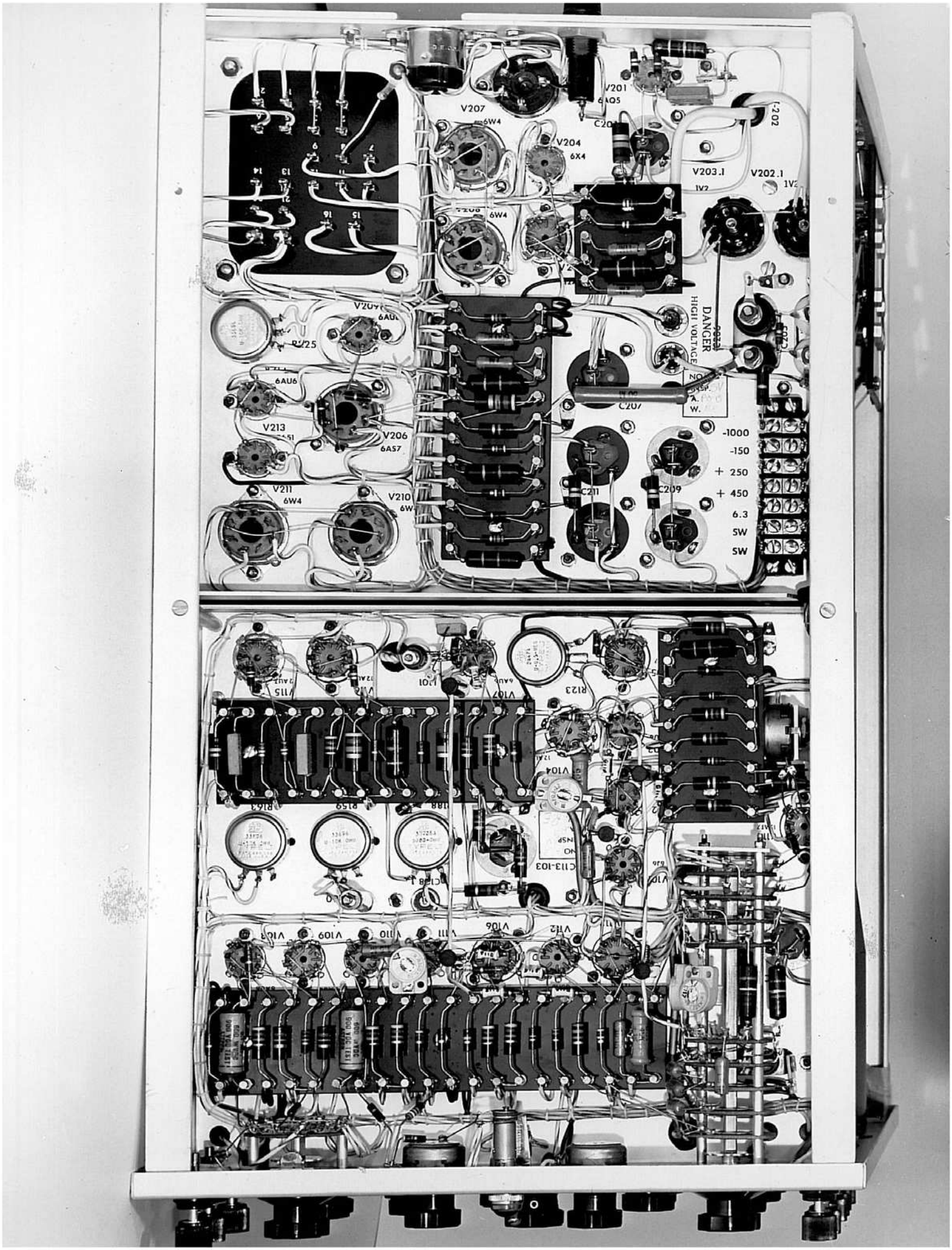
AND VIDEO TEST INSTRUMENTS

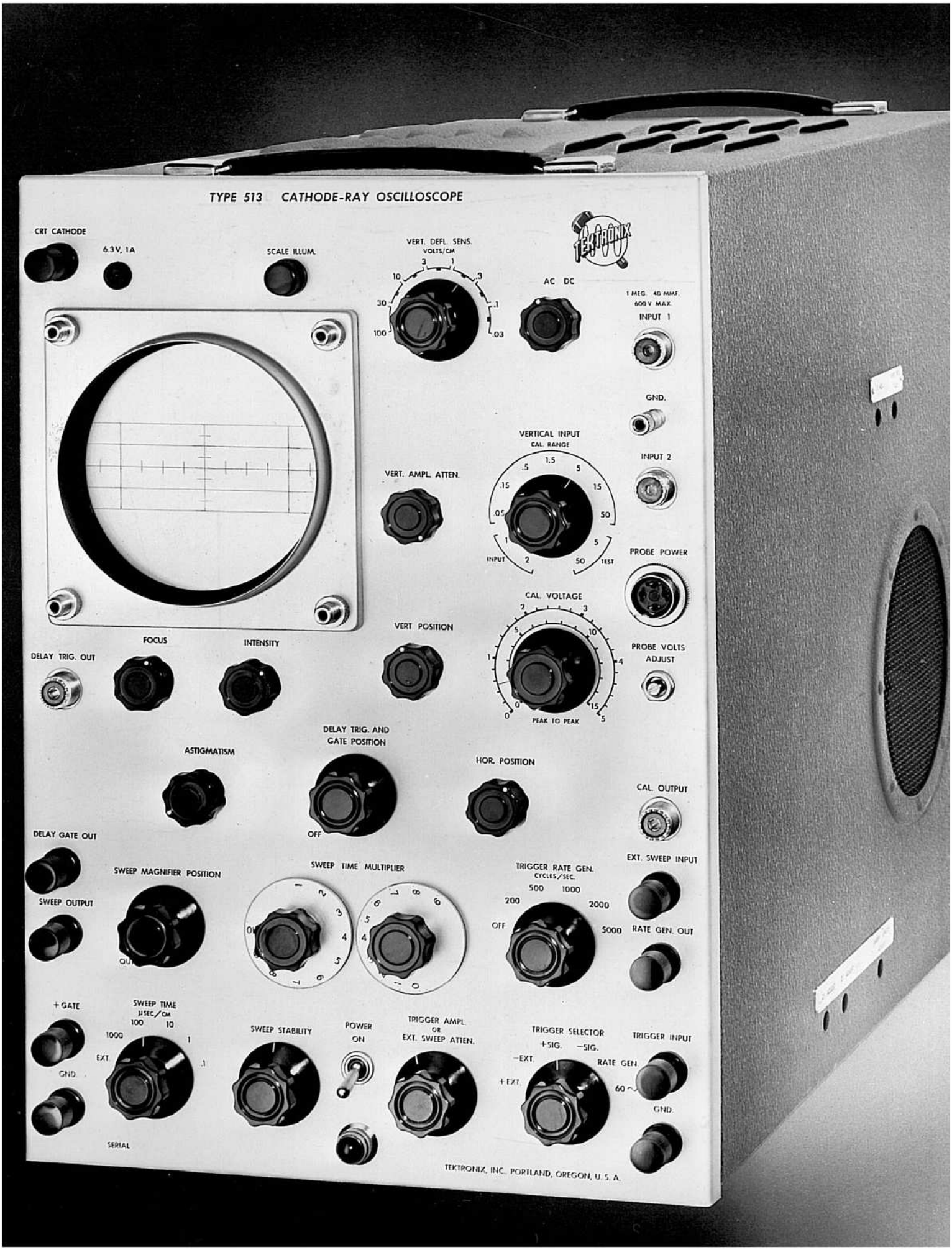

TYPE 315 D CATHODE-RAY OSCILLOSCOPE
TEKTRONIX
MULTIPLIER
10
5
2-20
2
INPUT
1 MEG. 35 MMFD.
600 V. MAX.
VERTICAL
AMPLIFIER
AMPLITUDE
VOLTS/DIVISION
.01
.1
10
AC
1
DC
10
1
.1
FOCUS
INTENSITY
SCALE ILLUM.
POSITION
HORIZ.
VERT.
TIME BASE
5X MAGNIFIER
MULTIPLIER
5
2
1-10
1
RANGE
TIME/DIVISION
MILLISEC.
1
100
10
MICROSEC.
10
100
1
1 SEC.
.1
CALIBRATOR
VOLTS, PEAK TO PEAK
.1
1
10
OFF
100
STABILITY
TRIGGER SELECTOR
-INT.
+INT.
-EXT.
+EXT.
SLOW
RISE
FAST
RISE
+EXT.
-EXT.
-LINE
-INT.
+LINE
+INT.
TRIGGER AMPLITUDE
DISCRIMINATOR
−10
0
+10
−20
+20
−30
+30
−40
+40
−50
+50
POWER
ON
CAL. OUT
EXT. TRIGGER
AC
DC
+GATE
SAWTOOTH
GND.
6L6
INC., PORTLAND, OREGON, U.

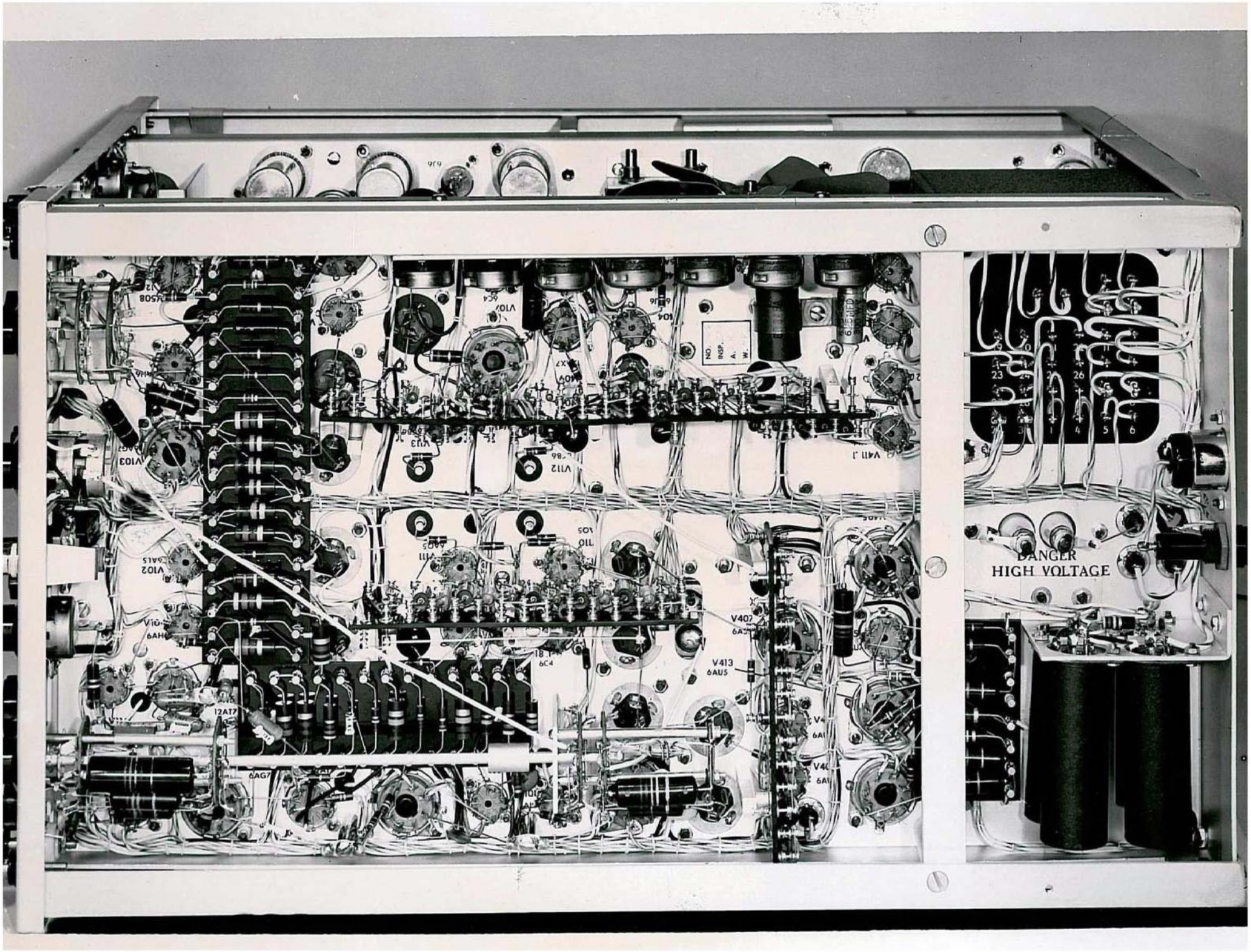
DANGER
HIGH VOLTAGE
DANGER
HIGH VOLTAGE
H. V. ADJ.
V803
6AQ5
V802
12B4
V801
12AU7
DANGER
HIGH VOLTAGE
V805
5642
UNDER SHIELD
V804
5642

6AG
GND.
SWEEP AMP.

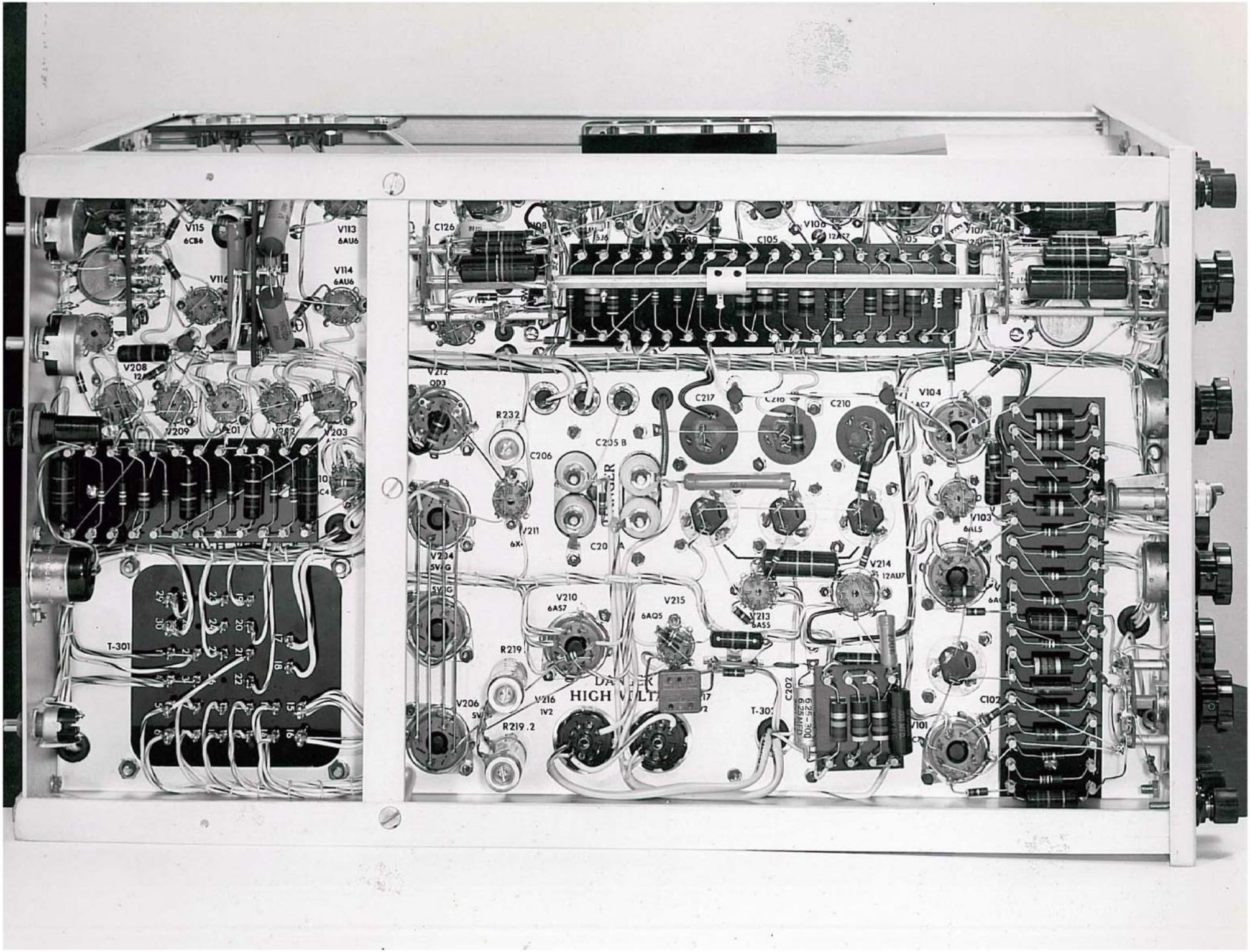

TYPE 512 CATHODE-RAY OSCILLOSCOPE
VERT. DEFL. SENS
VOLTS/CM
VERT. AMPL. ATTEN.
VERT. POSITION
PRE-AMP BALANCE
AC
DC
TEKTRONIX
1 MEG 47 MMF
600 V MAX
INPUT A
GND.
SCALE ILLUM.
VERTICAL INPUT
+CAL. −CAL.
A
A-B
INPUT B
CAL. VOLTAGE
CAL. RANGE
PEAK TO PEAK VOLTS
CRT CATHODE
FOCUS
INTENSITY
GND.
ASTIGMATISM
BLANKING
CAL.
NORM.
EXT.
CAL. OUTPUT
SWEEP OUTPUT
SWEEP TIME/CM
EXT. SWEEP ATTEN.
HOR. POSITION
EXT. SWEEP INPUT
DELAYED TRIGGER AND
SWEEP MAGNIFIER POSITION
MAGNIFIER
OUT IN
+GATE
SWEEP RANGE TIME/CM
MILLISEC.
TRIGGER SELECTOR
+INT.
−INT.
−EXT.
+EXT.
60~
TRIGGER INPUT
DELAYED TRIGGER
SWEEP STABILITY
POWER
ON
TRIGGER AMPL.
GND.
GND.
SERIAL
EXT.
TEKTRONIX, INC. PORTLAND, OREGON, U.S.A.


V207
6W4
V201
6AQ5
V204
6X4
V203.1
V202.1
V213
V206
6AS7
V211
6W4
V210
C207
C211
C209
DANGER
HIGH VOLTAGE
-1000
-150
+ 250
+ 450
6.3
SW
SW

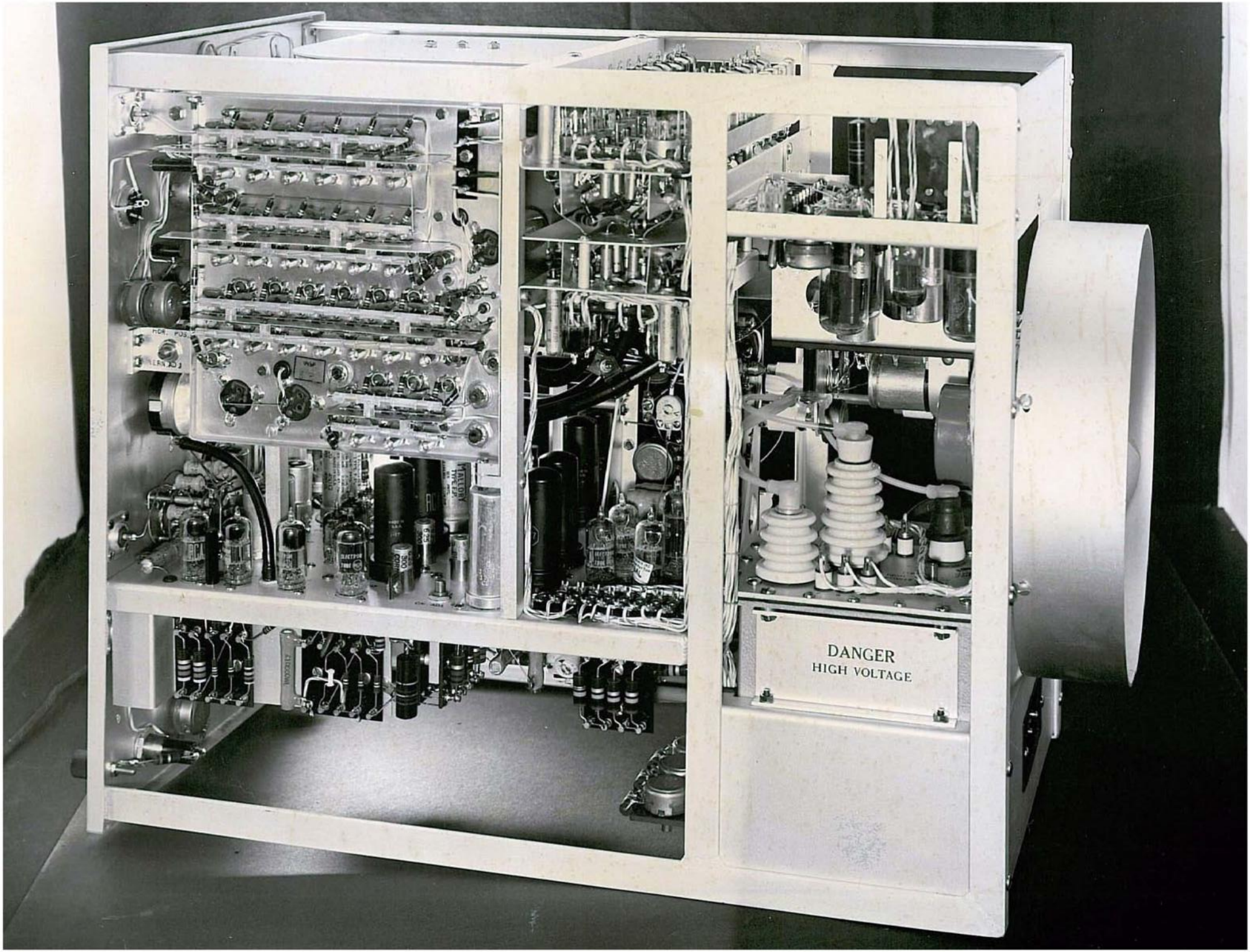

TYPE 513 CATHODE-RAY OSCILLOSCOPE
TEKTRONIX
CRT CATHODE
6.3V, 1A
SCALE ILLUM.
VERT. DEFL. SENS.
VOLTS/CM
AC DC
1 MEG. 40 MMF.
600 V MAX.
INPUT 1
GND.
VERTICAL INPUT
CAL. RANGE
INPUT 2
VERT. AMPL. ATTEN.
PROBE POWER
CAL. VOLTAGE
PEAK TO PEAK
VERT POSITION
PROBE VOLTS
ADJUST
DELAY TRIG. OUT
FOCUS
INTENSITY
DELAY TRIG. AND
GATE POSITION
ASTIGMATISM
HOR. POSITION
CAL. OUTPUT
DELAY GATE OUT
SWEEP MAGNIFIER POSITION
SWEEP TIME MULTIPLIER
TRIGGER RATE GEN.
CYCLES/SEC.
EXT. SWEEP INPUT
SWEEP OUTPUT
RATE GEN. OUT
+GATE
SWEEP TIME
μSEC/CM
SWEEP STABILITY
POWER
ON
TRIGGER AMPL.
OR
EXT. SWEEP ATTEN.
TRIGGER SELECTOR
+SIG.
−SIG.
−EXT.
+EXT.
RATE GEN.
TRIGGER INPUT
GND.
SERIAL
TEKTRONIX, INC., PORTLAND, OREGON, U. S. A.

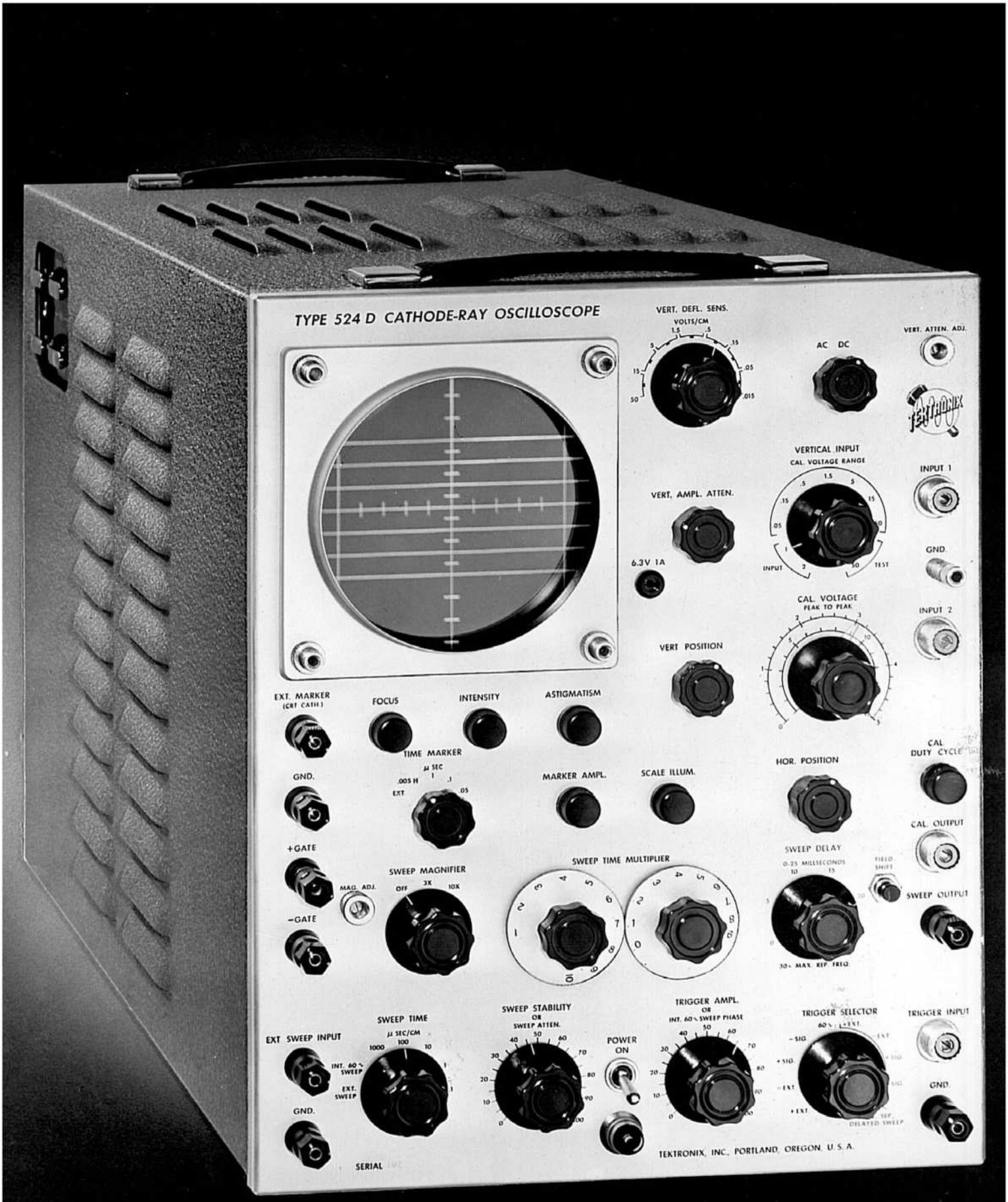

DANGER
HIGH VOLTAGE

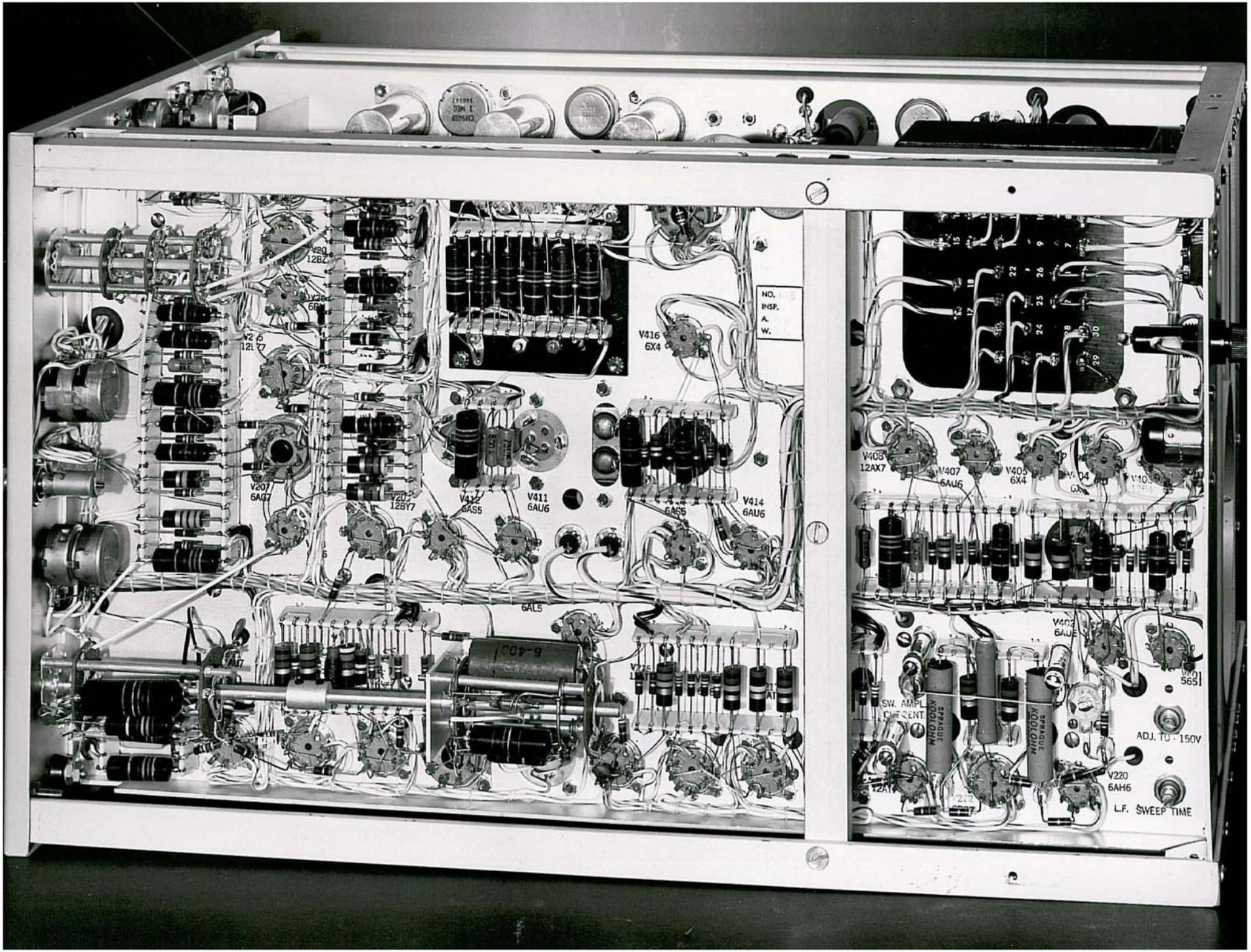
TYPE 514D CATHODE-RAY OSCILLOSCOPE
VERT. DEFL. SENS. VOLTS/CM
AC DC
TEKTRONIX
VERTICAL INPUT CAL. VOLTAGE RANGE
1 MEG. 40 MMF. 600 V. MAX.
VERT. AMPL. ATTEN.
INPUT 1
GND.
CAL. VOLTAGE
PEAK TO PEAK
INPUT 2
VERT. POSITION
CRT CATHODE
FOCUS
INTENSITY
ASTIGMATISM
6.3 V 1 A
SCALE ILLUM.
HOR. POSITION
SWEEP OUTPUT
SWEEP MAGNIFIER POSITION
SWEEP TIME MULTIPLIER
CAL. OUTPUT
+GATE
EXT. SWEEP ATTEN.
EXT. SWEEP INPUT
-GATE
SWEEP TIME μ SEC/CM
SWEEP STABILITY
POWER ON
TRIGGER AMPL.
TRIGGER SELECTOR
-EXT. +SIG. -SIG. +EXT
TRIGGER INPUT
GND.
SERIAL
TEKTRONIX, INC., PORTLAND, OREGON, U. S. A.


V115
6CB6
V113
6AU6
V114
6AU6
V208
V209
V203
T-301
C126
C105
V212
R232
C206
C205 B
C217
C210
V104
V103
6AL5
V211
V214
12AU7
V210
6AS7
V215
6AQ5
V213
6AS5
R219
V206
V216
1V2
R219.2
C202
C102
V101

TEKTRONIX "SCOPE-MOBILE"
POWER SUPPLY
TYPE 517 CATHODE-RAY OSCILLOSCOPE


DANGER
HIGH VOLTAGE


TYPE 524 D CATHODE-RAY OSCILLOSCOPE
VERT. DEFL. SENS.
VOLTS/CM
VERT. ATTEN. ADJ.
AC DC
TEKTRONIX
VERTICAL INPUT
CAL. VOLTAGE RANGE
INPUT 1
VERT. AMPL. ATTEN.
GND.
6.3V 1A
CAL. VOLTAGE
PEAK TO PEAK
INPUT 2
VERT POSITION
EXT. MARKER
(CRT CATH.)
FOCUS
INTENSITY
ASTIGMATISM
TIME MARKER
GND.
MARKER AMPL.
SCALE ILLUM.
HOR. POSITION
CAL. DUTY CYCLE
CAL. OUTPUT
+GATE
SWEEP MAGNIFIER
MAG. ADJ.
SWEEP TIME MULTIPLIER
SWEEP DELAY
-GATE
SWEEP OUTPUT
EXT SWEEP INPUT
SWEEP TIME
SWEEP STABILITY
OR
SWEEP ATTEN.
POWER
ON
TRIGGER AMPL.
OR
INT. 60 ~ SWEEP PHASE
TRIGGER SELECTOR
TRIGGER INPUT
GND.
SERIAL
TEKTRONIX, INC., PORTLAND, OREGON, U.S.A.


V20
12BZ
V207
6AG7
V209
12BY7
V412
6AS5
V411
6AU6
V416
6X4
V414
6AU6
6AL5
NO.
INSP.
A.
W.
V408
12AX7
V407
6AU6
V405
6X4
SW. AMPL.
CURRENT
SPRAGUE
KOOLOHM
ADJ. TO - 150V
V220
6AH6
L.F. SWEEP TIME