SONY/TEKTRONIX 314
The SONY/TEKTRONIX 314 weighs only 10.5 pounds and provides four-hour stored viewing time. This long-term storage is useful for monitoring signal lines for suspected undesired transients. The compact size and ac or external dc operation allows the 314 to easily go when and where you need a storage scope.

CHARACTERISTICS
VERTICAL SYSTEM
Bandwidth and Rise Time — 10 MHz and 35 ns.
Deflection Factor — 1 mv/div to 10 V/div ±3%.
Operating Modes — CH 1, CH 2, CH 2 Invert, chop, alternate, add, and X-Y.
Input R & C — 1 MΩ, 47 pf.
Max Input Voltage — 300 V (dc + peak ac).

HORIZONTAL SYSTEM
Sweep Speeds — 1 μs/div to 5 s/div. X10 magnifier extends sweep rate to 100 ns/div.
Accuracy — X1 ±3% (1 μs/div to 0.2 s/div); ±4% (0.5 s/div to 5 s/div). X10 ±5% (0.1 μs/div and 0.2 μs/div); ±4% (0.5 μs/div to 20 ms/div); ±5% (50 ms/div to 0.5 s/div).

TRIGGER SYSTEM
Sensitivity — Internal: 0.3 div at 1 MHz, 1.0 div at 10 MHz, External: 150 mV at 1 MHz, 500 mV at 10 MHz.
Modes — Normal, Auto, Single sweep.
Sources — Internal: CH 1, CH 2, or composite, or composite.

X-Y OPERATION
Input — X-axis input is via the external horizontal input connection. Both CH 1 and CH 2 provide vertical inputs. Using chopped mode, two simultaneous X-Y displays can be obtained.
X-Axis Deflection Factors — Continuously variable from 20 mv/div to ±2 V/div.
Bandwidth — 200 kHz.

CRT SYSTEM
CRT — 8 x 10 div (0.6 cm/div) display. Accelerating potential is 2 kV.
Z-Axis Input Range — 5 to 20 V (dc coupled) with a 100 kHz or greater usable frequency range.
Maximum Input Voltage — 50 V (dc + peak ac).

STORAGE FEATURES
Display Modes — Direct view, bistable storage, and nonstore modes. Autoerase mode to erase stored display after each sweep.
Stored Writing Speed — Normal, at least 80 div/ms. Enhanced, increases to at least 400 div/ms (250 cm/ms).

POWER REQUIREMENTS
Line-Voltage Range — 90 to 130 VAC or 180 to 264 VAC.
Line Frequency — 48 to 440 Hz.
Maximum Power Consumption — 17 W.
External DC Source — 9 to 32 V.
Charge Time — At least 16 hours for full charge.
Operating Time — 2 hrs (scope), 10 hrs (DMM), 1.6 hours (combined).

ENVIROMENTAL
Ambient Temperature — Operating: -15°C to +55°C (Oscilloscope), 0°C to +55°C (DMM).
Nonoperating: -25°C to +75°C.
Altitude — Same as 336A.
Vibration — Same as 336A.
Humidity — Same as 336A.
Shock — Same as 336A.

SONY/TEKTRONIX 305
The 305 Oscilloscope/DMM is the ideal oscilloscope for those who demand portability and multifunction versatility in their test instrumentation.

CHARACTERISTICS
VERTICAL SYSTEM
Bandwidth (~3 dB) — 5 MHz.
Deflection Factor and Accuracy — -5 mV/div to 10 V/div ±3% (0°C to +40°C).
Operating Modes — CH 1, CH 2, Chopped, Alternate, Add, Invert CH 2, and X-Y.
Input R & C — 1 MΩ, 47 pf.
Max Input Voltage — 250 V (dc + peak ac), 250 V p-p.

HORIZONTAL SYSTEM
Sweep Speeds — 500 ms/div to 1 s/div.
Accuracy — X1 ±3%; X10 ±5% (0°C to +40°C). X1 ±4%; X10 ±8% (-15°C to +55°C).

TRIGGER SYSTEM
Sensitivity — Internal: 0.3 div at 5 MHz, 0.75 div at 5 MHz. External: 15 mV at 5 MHz, 50 mV at 5 MHz.
Modes — Normal and Auto (p-p).
Trigger Source — CH 1, CH 2, external.

X-Y OPERATION
Deflection Factors — Same as vertical system.
X-Axis Bandwidth — 150 kHz.

ADVANCED FUNCTIONS
AC Voltmeter — Ranges: 2, 20, 200, and 700 V (autoring). Accuracy: ±0.5% of reading, ±10 counts, 40 to 500 Hz, Max input Voltage: 700 Vrms.
Ohmmeter — Ranges: 2, 20, 200, and 2000 k. Accuracy: ±0.6 of reading, ±3 counts.

POWER REQUIREMENTS
Line-Voltage Range — 90-132 V or 180-250 VAC.
Line Frequency — 48 Hz to 440 Hz.
Maximum Power Consumption — 17 W.

OPTIONAL ACCESSORIES
Viewing Hood — Order 019-0209-00.
New Adapter Connector BNC to Binding Post — Order 103-0033-00.
$7.50
$7.00

RECOMMENDED CAMERAS
C30BP Opt. 01 — $2,135
Camera Adapter — Order 019-0227-01 — $220

PHYSICAL CHARACTERISTICS
Dimensions — mm in.
Width, with handle 237 9.3
Height, w/o pouch 112 4.4
Depth, handle not extended 347 13.6
Net Weight — lb kg
With accessories 4.7 2.1
Shipping 7.6 17.0

To order, call your local Tektronix Sales Office, or call Tek's National Marketing Center.
Toll free: 1-800-426-2200, Ext. 99.