## 20 MHz Analog/Digital Storage Oscilloscope Model 2522C

- 20 MHz analog bandwidth
- $40 \mathrm{MS} / \mathrm{s}$ sampling rate each channel

■ USB port for saving screen images to USB flash drives

- 2 k memory per channel

■ I GHz equivalent time sampling (at $0.1 \mu \mathrm{~s} /$ div)

- Pre-trigger capture
model
2522C
SWEEP SYSTEM Sweep Speed $0.1 \mu \mathrm{~s} /$ div to $2 \mathrm{~s} /$ div in $1-2-5$ seeuence, 23 steps. Vernier control provides fully adjustable sweep time between steps. Accuracy: $+3 \%$ Sweep Magnification: 10X, $+6 \%$
Hold off variable.

TRIGGERING
Modes: AUTO (free run) or NORM. Source: CHI, CH2, ALT, EXT, LINE.
Maximum External Trigger Voltage: 200V (DC + AC peak).

| Sensitivity | Internal -0.5 division, External -500 mV. |
| :--- | :--- |

TRIGGER COUPLING

| AC | 30 Hz to 30 MHz. |
| :--- | :--- |
| TV H/HF: | Used for triggering from horizontal sync pulses. <br> Low frequencies are attenuated. |
| TV V DC/LF: | Used for triggering from vertical sync pulses. <br> High freeuencies are attenuated. Direct coupled. |

HORIZONTAL AMPLIFIER(Input thru CH I Input)

| X-Y Mode | Switch selectable using X-Y switch |
| :--- | :--- |
|  | CH I: X axis CH 2: Y axis |
| Sensitivity | Same as vertical channel I |
| Accuracy | Y-Axis: $\pm 3 \% . X$-Axis: $\pm 6 \%$ |
| Input Impedance | Same as vertical channel I |
| Frequency Response | DC to 2 MHz typical $(-3 \mathrm{~dB})$ (to 6 divisions horizontal <br> deflection) |
| X-Y Phase Difference | Approximately $3^{\circ}$ at 50 kHz |
| Maximum Input Voltage | Same as vertical channel । |

## Other Specifications

| CRT |  |
| :---: | :---: |
| Type | Rectangular with internal graticule |
| Display Area | $8 \times 10$ div ( 1 div $=1 \mathrm{~cm}$ ). |
| Accelerating Voltage | 2 kV |
| Phosphor | P3I |
| Trace Rotation | Electrical, front panel adjustable |
| ENVIRONMENT |  |
| Within Specified Accuracy | $50^{\circ}$ to $95^{\circ} \mathrm{F}\left(10^{\circ}\right.$ to $\left.+35^{\circ} \mathrm{C}\right), 85 \%$ maximum RH |
| Full Operation | $32^{\circ}$ to $104^{\circ} \mathrm{F}\left(0^{\circ}\right.$ to $\left.+40^{\circ} \mathrm{C}\right), 85 \%$ maximum RH |
| Storage | $-4^{\circ}$ to $158^{\circ} \mathrm{F}\left(-20^{\circ}\right.$ to $\left.+70^{\circ} \mathrm{C}\right)$ |
| OTHER |  |
| Analog Output | Analog sample of CH 2 |
| Output Voltage | $25 \mathrm{mV} /$ div (nominal into $50 \Omega$ load) |
| Output Impedance | Approximately $50 \Omega$ |
| FreQuency Response | 20 Hz to $10 \mathrm{MHz},-3 \mathrm{~dB}$ into $50 \Omega$ |
| $\mathrm{Cal/Probe} \mathrm{Compensation}$ |  |
| Voltage | 0.5 Vp-p $+3 \%$ square wave, 1 kHz nominal |
| Power Requirements | $110 \mathrm{~V} / 125 / 220 / 240 \mathrm{VAC}, 50 / 60 \mathrm{~Hz}$, approximately 60 W |
| Dimensions (HxWxD) | $5.2 \times 12.8 \times 15.6^{\prime \prime}(132 \times 324 \times 397 \mathrm{~mm})$ |
| Weight | 19 lb (8.6 kg.) |
| Accessories | Three Year Warranty |

Accessories
Three Year Warranty
SUPPLIED: Instruction Manual, Two PR $33 \mathrm{~A} \times \mathrm{I} / \mathrm{xI} 0$ Probes or equivalent, AC Power Cord, Spare Fuse
OPTIONAL: PR 32A Demodulator Probe, PR 37AG xI/xI0/REF. Probe, PR I00A xI00 Probe, PR-55 High Voltage x1000 Probe, LC 2 10A Carrying Case

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