

TEK 1 GHz GENERAL PURPOSE OSCILLOSCOPE

7104

Ultra High Writing Speed

1 GHz at 10 mV/div

0.38 ns Risetime

200 psec/div Fastest Calibrated Sweep Rate

Horizontal Bandwidth 350 MHz

Phase Compensation Option—Phase Matching to 250 MHz

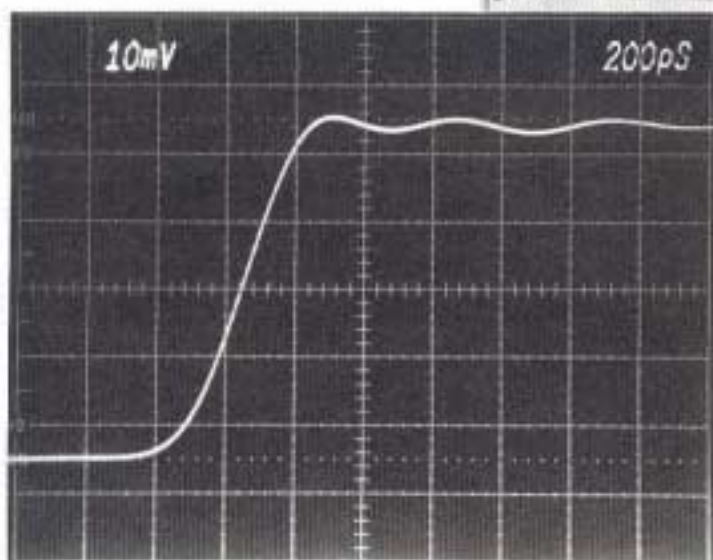
CRT Readout

APPLICATIONS

High Speed Semiconductor Design

Laser and High Energy Research

Digital Communications



The 7104 has both the highest writing speed and highest bandwidth available in a general-purpose oscilloscope today.

The 7104 with 7A29 Amplifier plug-ins provides 1 GHz realtime vertical bandwidth at 10 mV/div. Combined with the 7B10/7B15 Time Base plug-ins, having fastest sweep speeds of 200 ps/div, very high-speed signals can now be measured with confidence.

The 7104's outstanding writing speed means unsurpassed single-shot capability, with trace brightness about **one-thousand times** that of conventional oscilloscopes. Any single-shot signal within the 7104's bandwidth can be seen directly on the CRT in average room light. Also, single-shot photography is now simple and straightforward, using standard oscillographic cameras and film without high-speed enhancement techniques.

Horizontal bandwidth of 350 MHz, with the X-Y phase compensation Option 02, gives accurate X-Y displays to 250 MHz. Designers can now directly obtain V-I curves for high-speed switching power supply evaluation or monitor performance of digital communication systems using phase constellation displays.