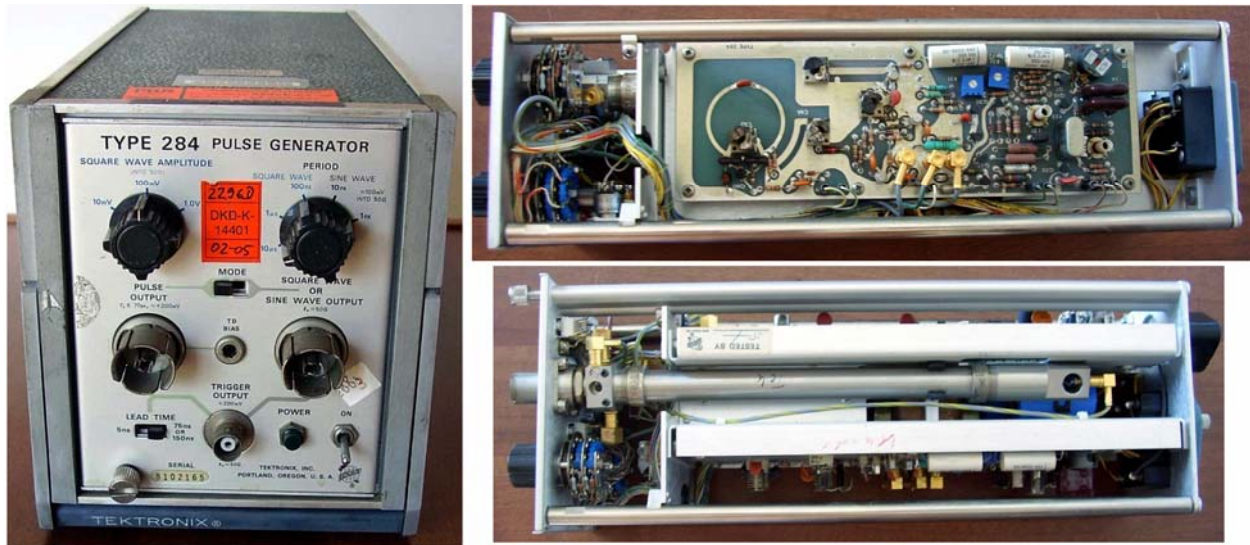


## Tektronix 284 - Pulse Generator



- Click on the image to enlarge

Tektronix 284 was a clean example of the solid state approach in the top instrumentation sets of the late sixties. It was a compact instrument, intended for laboratory use, mainly in the evaluation of fast oscilloscopes and in TDR applications.

The 284 included three different switchable signal sources. It could generate a constant amplitude sine wave at 100 or at 1.000 MHz, 100 mV. It could also operate as square wave generator at 10, 1 and 0.1 MHz, with output level selectable at 10 mV, 100 mV and 1 V. Finally it could operate as pulse generator with 50 kHz p.r.r., 1  $\mu$ s pulse duration and 70 ps risetime. Yes, 70 picoseconds, the time the light just travels 7 mm!

Introduced in 1967, it was all solid-state, with a tunnel diode to generate the fast pulses and a snap-off diode to start them.

The unit in the above photos was decommissioned after the latest calibration, dated February 2005. It is fully working.