

# 數位儲存式示波器

Digital Storage Scope

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Abstracts

The conventional scope can only measure a periodical signal with the sigital we can sample signals which are asynchorous or pulsed and store them in RAM. them re-display on CRT tube.

The study use a high speed ( up to 1MHZ sampling rate ) A/D converter to sample input, then store in RAM via a DMA method.

By using  $\mu$ .P. and some hardware, we can re-display the waveform in magnified mode, shifting mode and in long-term recording mode.

智慧藏