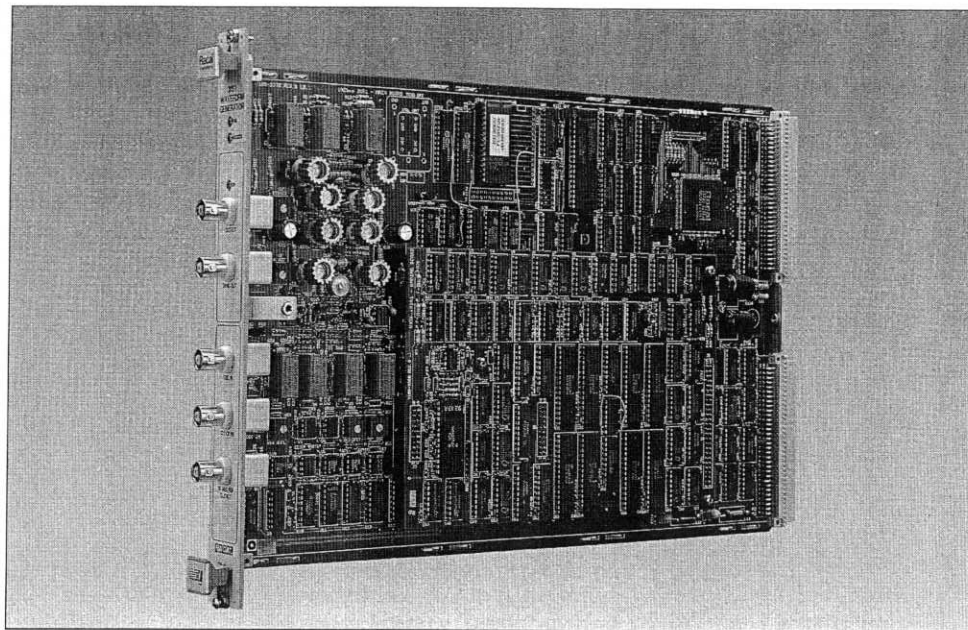


100 MS/s Waveform Generator Model 3151



- **Wide Frequency Range:** μ 100 Hz to 50MHz
- **Custom Arbitrary Waveforms:** Created with WaveCAD™ Software
- **Built-in Waveforms:** Triangle^(x), Sine^(x), Sinc, Square, Ramp, Pulse, DC, Exponential & Gaussian Pulse
- **Enhanced Waveform Modification:** Filtering, Smoothing and Inversion
- **Sequences and Loops:** Link Together Up To 4096 Waveforms

The Racal Instruments Model 3151 100MS/s Waveform Generator combines high-frequency performance, versatility and compact size in an economical VXIbus format. Signal output in the range of 100 Hz to 50MHz with 12 bit vertical resolution makes this single-slot, C-sized card a powerful solution to the most demanding test stimulus requirements.

The Model 3151 in combination with WaveCAD™ software allows sophisticated waveform generation for many test applications.

VXIbus: A Cost Effective Format

The 3151 is a sensible alternative to a GPIB based waveform generator when developing a VXI-based test system. The 3151 provides a synergistic combination of a function generator, pulse generator, programmable sequencer and arbitrary waveform synthesizer in one instrument. The 3151 delivers all this at a lower cost than comparable function generators. This versatility insures that the Model 3151 will adapt to future testing needs as well as current ones.

Flexible Triggering Capability

Combining VXIbus trigger lines with the 3151's sync capability transforms the 3151 into an Arbitrary Trigger Generator. In addition to continuous output, the 3151 can also wait for a trigger to initiate either a single waveform, a burst of waveforms or a sequence of waveforms. Triggers can also be used to advance a sequence of waveforms one segment at a time. The 3151 can trigger immediately or delay up to 1M wave points.

