

# Small Instrumentation Modules

SIM964 — 1 MHz analog limiter



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- Settable upper & lower limits ( $\pm 10$  V)
- 10 mV resolution
- 1 MHz bandwidth
- TTL outputs for limit detecting
- High slew rate

• SIM964 ... \$1595 (U.S. list)



## SIM964 Analog Limiter

The SIM964 Analog Limiter provides upper and lower voltage limits for conditioning dynamic signals. Limits are set between  $\pm 10$  V with 10 mV resolution. Two rear-panel TTL signals are activated when upper or lower limits are exceeded. The SIM964 uses SRS's clock-stopping architecture design to eliminate digital noise artifacts. The low output noise and low harmonic distortion of the SIM964 make it ideal for many applications.

### Specifications

Limit settings	$\pm 10$ V (both upper and lower)
Resolution	10 mV
Bandwidth	1 MHz
Limit type	Soft limit (100 mV range)
Input impedance	1 M $\Omega$
Output noise	<400 $\mu$ Vrms
THD	0.01 % (80 dB) at 1 kHz
Slew rate	20 V/ $\mu$ s

Limit detect	TTL level signals (rear-panel BNC connectors) are low when upper or lower limits are exceeded.
Operating temperature	0°C to 40°C, non-condensing
Interface	Serial via SIM interface
Connectors	BNC (2 front, 2 rear) DB15 (male) SIM interface
Power	Powered by SIM900 Mainframe, or by user-provided DC power supply ( $\pm 15$ V and +5 V)
Dimensions	1.5" $\times$ 3.6" $\times$ 7.0" (WHD)
Weight	1.5 lbs.
Warranty	One year parts and labor on defects in materials and workmanship

### Ordering Information

SIM964 Programmable analog limiter \$1595