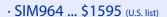
Small Instrumentation Modules

SIM964 — 1 MHz analog limiter



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







SIM964 Analog Limiter

The SIM964 Analog Limiter provides upper and lower voltage limits for conditioning dynamic signals. Limits are set between ±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 $\pm 10 \,\mathrm{V}$ (both upper and lower)

Resolution $10\,\mathrm{mV}$

1 MHz Bandwidth

Limit type Soft limit (100 mV range)

Input impedance $1 M\Omega$

Output noise <400 μVrms

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. 0°C to 40°C, non-condensing

Interface Serial via SIM interface

BNC (2 front, 2 rear)

DB15 (male) SIM interface

Powered by SIM900 Mainframe, or Power

by user-provided DC power supply

 $(\pm 15 \text{ V and } +5 \text{ V})$

Dimensions $1.5" \times 3.6" \times 7.0"$ (WHD)

Weight

Operating temperature

Connectors

One year parts and labor on defects Warranty

in materials and workmanship

Ordering Information

SIM964 Programmable analog limiter \$1595



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