KROHN-HITE CORP.

1200A

The Krohn-Hite Model 1200A is an economically priced analog function and sweep generator. It provides sine, square, and triangle waveforms from 0.2 Hz to 3 MHz, with linear up or down frequency sweep capability over a 1500:1 range on each multiplier band. The instrument features a unique WAVEGUARD™ output protection circuit, a dedicated +5V ramp output, and a separate TTL output with rise/fall times under 15 ns.

SPECIFICATIONS

Physical

Power Supply	105-125 V / 210-250 V AC (switchable), 50-400 Hz, 15 W
Operating Temperature	0 °C to 50 °C °C
Dimensions (W×H×D)	216 mm × 133 mm × 279 mm mm
Weight	3.2 kg kg

Waveform Generation

Standard Waveforms	Sine, Square, Triangle

Frequency Specifications

Frequency Range	0.2 Hz to 3 MHz
Frequency Bands	3 multiplier bands with 1500:1 range each

Pulse & Square Wave Characteristics

Auxiliary TTL Output Rise/Fall Time	<15 ns
Auxiliary TTL Output Drive	Capable of driving up to 10 TTL loads

Amplitude and Output Characteristics

Main Output Amplitude Range (Open Circuit)	5 mV p-p to 20 V p-p
Amplitude Control	Continuous, infinite resolution
DC Offset Range	Variable up to ±10 V

Modulation, Sweep, and Burst

Linear Sweep Range	1500:1 (up or down)
Internal Sweep Rate / Duration	1 ms to 1000 s
External Voltage Control (VC) Input	0 to ±3 V for 1500:1 frequency sweep

Clock, Trigger, and Synchronization

Control Voltage (CV) Output Range	+2 mV to +3 V DC (proportional to generator frequency)
Internal Ramp Generator Output	+5 V fixed linear ramp
Ramp Generator Frequency Range	0.001 Hz to 1 kHz

Outputs

Main Output Impedance	50 Ω

Waveform Characteristics

Square Wave Rise/Fall Time	<50 ns
Triangle Wave Linearity	≥99% (up to 100 kHz)

Sweep Characteristics

Sweep Dynamic Range	1500:1

Physical & Environmental

Shipping Weight	4.1 kg

TECHNOLOGY

Analog

APPLICATIONS

Test and Measurement

Generated by SpecAtlasHub (specatlashub.com). Specifications are compiled from available sources and are subject to change — verify critical values against the manufacturer before purchase.