



IP202S Sleweable Function Generator

The IP202S is a single-wide industry pack (IP) function generator that provides a signal output that can sweep through a frequency range at a programmable slew rate. The output signal can be a sine, square, triangle, or sawtooth waveform up to 1Mhz and may be direct or transformer coupled. Signal amplitude and offset level can also vary with frequency. The IP202S can be used with any conforming industry pack carrier module, such as VME/VXI, PXI, PCI, or Ethernet.

Specifications:

Output Waveforms:

Sine, Square, Triangle, Sawtooth

Frequency Outputs:

Range: 0 to 1 Khz, 10 Khz,
100 Khz, or 1 Mhz
Resolution: 1 Hz, 10 Hz, 100 Hz
or 1 Khz

Output Voltage Control:

Amplitude: 0 to 10Vpp
Offset: -5V to +5V
(Direct output only)

Operating Modes:

Fixed/Follow Frequency
Single Ramp
Single Cycle
Continuous Cycle

Duty Cycle Control:

15% to 85%
Internal or external control

Programmable Functions:

Slew (sweep times)
Start Frequency & Voltage
Stop Frequency & Voltage
Dwell (delay) Times

Slew Start Synchronization:

IP Strobe or External Strobe

Temperature:

Operating: 0°C to 50°C
Storage: -40°C to 70°C

Power:

+5V @ 150 ma
+12V @ 60 ma
-12V @ 60 ma

Ordering Information:

Description	Part Number
Direct Output	11027720-0001
Direct and Transformer Output	11027720-0002

IP Compliance

Complies with ANSI/VITA Std. 4-1995 for single-wide IP Modules

Data Transfers: 16 bit

Strobe: Supported

Clock Rate: 8 MHz

Applications

- Frequency Sweeping Source
- Low Frequency Function Generator
- Anti-lock Brake System Testing
- Tachometer Output Simulation

Additional Information

User Manuals for C&H's VXI Based IP Carriers and this IP may be found on our Web Site: ["http://www.chtech.com"](http://www.chtech.com)