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TECHNOLOGY GROUP

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Find the *Berkeley Nucleonics 588* at our website: ***Click HERE***

Module Specifications

TTL/Adjustable Channel Outputs

Output Impedance	50ohm

TTL/CMOS Mode

Output Level	4.0v typ into 1 kohm
Rise time	3ns typ
Slew rate	0.5 V/ns
Jitter	50ps RMS

Adjustable Mode

Output Level	2.0 to 20 VDC into 1 kohm 1.0 to 10 VDC into 50 ohms
Output Resolution	10mV
Current	200mA typical, 400 mA max (short pulses)
Slew Rate	0.1V/ns
Overshoot	<100mV + 10% of pulse amplitude

Trigger/Gate Dual Input Module (standard)

Standard dual channel input module, providing one trigger input and one gate input. May be used with the dual trigger firmware option to provide two independent trigger sources.

Threshold	0.2 to 15 VDC
Maximum Input Voltage	60V Peak
Resolution	10mV
Input Impedance	1Mohm + 40pF or 50ohm
Insertion Delay	< 100 ns
Jitter	800ps RMS

System External Trigger / Gate Input(s)

Trigger Input

Function	Generate individual pulses, start a burst or continuous stream.
Rate	DC to 1/(200ns + longest active pulse)
Slope	Rising or Falling
Behavior	Used to control the Internal Rate Generator

Gate Input

Function	Pulse Inhibit or Output Inhibit
Polarity	Active High / Active Low
Behavior	Used to control the Internal Rate Generator or any of the channels



Standard Features/Functions

Communications	USB/RS232/Ethernet
External Clock In	10 MHz - 100 MHz User selectable in discrete values
External Clock Out	10 MHz - 100 MHz User selectable in discrete values
Configuration Storage	12 Configurations. Automatically saves current configuration on front panel power down.

Output Modules

Standard

AT20	Dual channel, TTL/CMOS & Adjustable output module

Optional

AT35	Dual channel, TTL/35V high voltage output module
TZ50	Dual channel, high current TTL/CMOS (for driving 50 ohm loads) & adjustable output module
TZ35	Dual channel, high current TTL/CMOS (for driving 50 ohm loads) & 35V high voltage output module

Input Modules

Standard

IA15	Dual channel, 1 trigger / 1 gate input module

System Options

I	Incrementing (provides automatic high speed incrementing/decrementing of delay and/or pulsewidth for each channel)
DT15	Dual Trigger Logic – provides additional trigger via gate input

* Other custom modules (led drivers, higher voltages, current sources) available. Call with your request.

Artisan Technology Group is an independent supplier of quality pre-owned equipment

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