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so your equipment works exactly as you specify.

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Expert team | Trust guarantee | 100% satisfaction

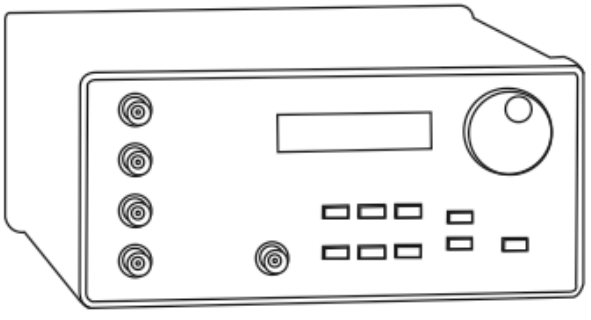
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Find the *Berkeley Nucleonics 505-2C* at our website: *Click HERE*

Affordable, Multi Purpose Pulse Generator

BNC





10 NS RESOLUTION . 2 NS CHANNEL-TO-CHANNEL JITTER

Performance ● Versatility ● Affordability

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BNC model 505

CONFIGURATION	2, 4, or 8 channels per instrument

TIMING DELAYS AND WIDTHS

delay	0 to 1000 seconds with 10 ns resolution
width	100 ns to 1000 seconds with 10 ns resolution
accuracy	10 ns + .0001 delay
time base	50 MHz, 50 ppm crystal oscillator
RMS jitter	< 2 ns

EXTERNAL TRIGGER/GATE

rate	0 to 2 MHz
insertion delay	< 250 ns
threshold	200 mV - 15V
trigger slope	Rising or falling edge, selectable
gate	Active low or active high, selectable
impedance	1000 ohms

INTERNAL REP RATE GENERATOR

rate	0.001 Hz to 2 MHz
accuracy	5 ns + 0.0001 x period
RMS jitter	< 500 ps
OUTPUTS	Adjustable to 20 V
IMPEDANCE	50 ohm

ADJUSTABLE AMPLITUDE

slew rate	> .2 V/ns
amplitude	1 V - 10 V into 50 ohm load 2 V - 20 V into high impedance
peak current	150 mA per channel
average current	200 mA ave. (total for all channels)
polarity	Positive (active high) or Negative

COMPUTER INTERFACE

RS232	4800, 9600, 19200 & 38400
IEEE 4888	Standard

MODEL SELECTION

model 505-2C	2 Electrical Outputs
model 505-4C	4 Electrical Outputs
model 505-8C	8 Electrical Outputs
ACCESSORIES	19' Rack Mount Extended service/calibration agreements

Model 505 expands the previously established boundaries of antiquated pulse generating equipment by adding 8 independent channels, multiple modes of operation, and 16 different edges into a single instrument. As a pulse generator model 505 provides rate, delay, width, and output adjustability with each channel. As a digital delay generator, model 505 provides fine resolution, timing, and low jitter. By allowing external, internal, and 3rd party software to control the 505 this Digital Delay and Pulse Generator can address many application specific requirements.

The outputs are synchronized to one another with coherence of 5 ns. A channel's timing can be referenced to any other channel or to the zero delay point (To) The edges are adjustable in 10 ns steps. Channels can be selectively gated, enabled / disabled. Each channel possesses separate output level and polarity characteristics along with system level gating capability. Model 505 provides the ability to store custom parameter settings which are able to be recalled for later use.

INSTRUMENT KEY FEATURES:

- **Single Shot –** One Pulse with each pushbutton, internal, external, or software trigger.
- **Burst –** Each channel will output N number of pulses as specified by the user
- **Duty Cycle –** The user can configure each channel to provide N pulses on and M pulses off
- **Gate –** Channels can be instructed to respond or ignore trigger signals
- **Recall Capability –** The 505 can recall previously stored settings



Berkeley Nucleonics Corporation 2955 Kerner Blvd San Rafael, CA 94901 U.S.A
Phone: 800.234.7858 Fax: 415.453.9956 E-mail: info@berkeleynucleonics.com
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Gold-standard solutions

Extend the life of your critical industrial, commercial, and military systems with our superior service and support.

We buy equipment

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Visit us at **artisantg.com** for more info on price quotes, drivers, technical specifications, manuals, and documentation.

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