

# Aplab

## 10MHz PULSE GENERATOR 2114



**Aplab Pulse Generator Model 2114** is specifically designed to include only the basic facilities of a Pulse Generator in order to make it handy and easy to operate unit. It offers pulse repetition rate from 1Hz to 10MHz with rise & fall time < 10nsec, pulse width from 50nsec to 50msec & pulse amplitude from 0.5V to 5V across 50 ohm. Provision for external triggering and monopulse generation is also done. The x'tal mode gives accurate eight spot frequencies derived from 10MHz crystal source.

The Instrument is packaged in a portable, slim & elegant cabinet.

### Features

- Variable Pulse Width
- Low Rise & Fall Time
- Fast Rep. Rate upto 10MHz
- X'tal Outputs - Eight Spots
- Manual Triggering Facility

## Technical Specifications

### FREQUENCY RANGE

Internal	: 0.1Hz to 10MHz in 8 decade ranges & variable.
X'tal Spot Frequencies	: 10MHz, 1MHz, 100KHz, 10KHz, 1KHz, 100Hz, 10Hz, 1Hz.

### TRIGGERING

Internal	: 0.1Hz to 10MHz.
External	: 10Hz to 10MHz.
Manual	: 1 pulse out for each switch press.
Ext. Trig-Input	: 1V to 10V p-p sine & square waveform.
Trig-Output	: TTL pulse ( $Z_o=50$ ohm).

<b>RATE</b>	: 100nsec - 10 sec. (8 decade ranges & variable adj.).
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<b>WIDTH</b>	: 50nsec - 50msec (6 decade range and variable).
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<b>DELAY</b>	: 0 - 2 $\mu$ sec variable w.r.t. trigger output.
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<b>OUTPUT POLARITY</b>	: Normal / Inverting.
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### OUTPUT

Pulse Out	: 0.5V - 5V at 50 ohms.
Impedance	: 50 ohms.
Rise & Fall Time	: 12nsec.
Output Terminal	: BNC Connector.

### POWER SUPPLY

Power	: 230V AC $\pm 10\%$ , 47-53Hz Optional 115V AC $\pm 10\%$ , 57-63Hz.
Consumption	: 10VA.

### PHYSICAL

Dimensions (mm)	: 270 (W) x 88 (H) x 310 (D).
Weight	: 3 Kgs. approx.

### STANDARD ACCESSORIES

Instruction Manual	-	1 No.
BNC(M) to BNC(M) Cable	-	1 No.
BNC(M) to Alligator Clip	-	1 No.
50 ohms Termination	-	1 No.
Mains Cord	-	1 No.

WE PURSUE A POLICY OF CONTINUOUS DEVELOPMENT AND PRODUCT IMPROVEMENT. THUS THE SPECIFICATIONS IN THIS DOCUMENT AND THE LOCATION OF CONTROLS ON THE FRONT PANEL MAY BE CHANGED WITHOUT NOTICE.

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