

# Model 40295

## 100 kV Precision Trigger Generator



### APPLICATIONS:

The 40295 trigger generator has been designed primarily as a high-voltage trigger source for Marx generators, capacitor banks, and single or multiple switches.

### SPECIFICATIONS:

• Output Voltage	100kV (into 30pF load)
• Output Polarity	Positive
• Rise time (10 to 90%)	<100ns
• Jitter ( $1\sigma$ )	<7ns
• Insertion delay	<500ns
• Sync output	+10 V into ohms
• Maximum Rep-rate	1 pulse every 5 seconds
• Trigger input (external)	10V, rise time <10ns
• Trigger input (internal)	Front panel push button
• AC power requirements	115 VAC, 60Hz, 150 watts
• Size and weight of chassis	19" x 7" x 9.5", 11 lb.
• Size and weight, HV section	6" x 10.5" x 18", 30 lb.

- All Units are shipped with one 20 foot output cable. — A longer output cable is available upon request at an additional cost.



---

## **OUTPUT POLARITY:**

- All units are shipped with positive polarity unless otherwise specified.

---

## **OUTPUT CABLES:**

- All units are shipped with one 20 foot output cable. Additional output or longer output cables are available upon request at an additional cost.

