

PHASER-STROBE PBX

The **Phaser-Strobe pbx** incorporates the unique design features of the Nova-Strobe dbx with an increased operating range of 30 to 50,000 flashes per minute, as well as external phase-shifting. The unique digital adjustment knob can select the decade for adjustments, so coarse and fine adjustments of flash rates are made quickly and with significantly better resolution than competitive units. The memory feature of the **Phaser-Strobe pbx** allows nine flash rates to be stored - displayed in flashes per minute or flashes per second. **Phaser-Strobe pbx** operates with internal rechargeable batteries or continuously from AC line power with the power supply/recharger.



Features

- Flash rates from 30 to 50,000 flashes per minute, The all digital, crystal controlled microprocessor keeps readings rock steady.
- pbx Kit (shown right) includes carry case and spare lamp
- Times 2 and divide by 2 push buttons allow easy checking for RPM harmonics and allow stop motion far beyond the 50,000 fpm limit.
- Store and recall up to 9 user selectable values. Last measurement memory, even with the power off.
- Individual in and output TTL jacks provide power to remote sensors and allows "daisy chaining" multiple strobes. A Tachometer mode allows accurate speed measurement up to 200,000 RPM using external sensors.
- Dual-function delays in external mode. Delays adjustable as phase angle or time with resolution to 0.1 degree and 0.0001 seconds.
- Auto step mode provides slow motion appearance for high speed repetitive event.
- Backlit alphanumeric LCD display shows flash rate in flashes per second or flashes per minute and delays in degrees or milliseconds.
- **NIST Certificate of Calibration** included.



Specifications	Phaser-Strobe pbx CE
Flash Range	30-50,000 FPM (Flashes per Minute) 0.5-830 FPS (Flashes per Second) (Hz)
Accuracy	±0.002% of reading
Digital Adjustment Knob (All ranges and modes)	36 detents per revolution and blinking decade selection
Flash Rate Resolution (internal triggering)	0.01 to 1.0 FPM (Menu Selectable)
Update Time	Instantaneous
Phase Delay - Degrees	0.1 to 359.9 degrees
Time Delay - Seconds	0.01 to 1000 msec.
Virtual RPM (Slow Motion)	0 - 200 VRPM
Flash Energy (Typical)	230 mJoule up to 3450 FPM
Flash Duration (Typical)	8 - 20 usec
Average Power - Watts	11W @ 3000 FPM; >13W @ 3450 FPM
Tachometer Mode	5-200,000 RPM from external trigger
External Input (1/8" phone plug)	Input Pulse - 0.5 microseconds min, TTL to 24V max
Trigger Output/Remote Sync (Typical)	3.3V TTL Compatible 40 usec pulse-Positive/Negative
Power	Internal rechargeable batteries with AC power supply/recharger
Weight	1.9 Lbs. (0.86 kg) including batteries
N.I.S.T. Certificate	Included