

PTU-1 PROGRAMMABLE TRIGGER UNIT



- for exact triggering of ballistic measurement and recording instruments (high-speed camera, flash units, radar etc.)
- triggering by acoustic signal or external voltage signal with programmable delay
- real-time calculation of trigger time of photographic equipments based on current velocity
- simple velocity measurement with conjunction of optical light gates
- two voltage inputs with programmable threshold, polarity and minimal trigger pulse width
- trigger output with programmable level, polarity and pulse width
- built-in microphone with programmable threshold
- programmable velocity limits and base of light gates
- simple control using four buttons and built-in LCD display
- battery powered portable equipment
- connector for external power supply

TECHNICAL DATA

Voltage inputs:

Maximum voltage:	$\pm 10V$
Threshold:	0.1-2V (programmable)
Minimum pulse width:	0.5 - 1000us (programmable)
Impedance:	10k

Trigger output:

Voltage level:	0.1 - 2.7V (programmable)
Pulse width:	0.1 - 10ms (programmable)
Impedance:	50

Acoustic threshold:	80 - 130dB
Time interval range:	100us - 10s
Time resolution:	125ns
Battery:	2 x 1.5V alkaline, type AAA/LR03, 1050mAh
Operation time on battery:	80h