



Optical Gates for measuring of bullet velocity - WLS03/04



Weatherproof Target System WTS03 is accurate electronic equipment for measuring of projectile velocity, designed for working in harsh environment (wet, dusty, hot or cold climate with danger of water condensation or heavy rain).

Basic Technical Data

Principle of measurement	two vertical high-speed optical gates, type MOG03
Calibre range	min. 4 - 20mm
Velocity range	min. 50 - 3000 m/s



Velocity inaccuracy	<0.2% (200 – 1500 m/s, 1000 mm base, projectile base trig.)
Safe passage area	1050 x 1200mm (W x H)
Effective sensor area	1000 x 1000mm
Reaction time	typ. 1us
Meas. base for velocity	1000mm
Trigger modes	rise / fall edge (= base / nose)
Shock wave filter	built-in hardware filter optional software filter (0 to 1000us)
Threshold level	optional from -75% to +75% of meas. range
Output signals	BNC START and STOP output 0 to 10V pulse in accord with projectile shadow
Gain range	selectable 1x, 2x, 5x and 10x
Operating temperature	from -30°C to +45°C
Protection	IP66 (dustproof, waterproof) – instrument only!
Air humidity	up to 100%, condensing or non-condensing
Altitude	max. 3000m
Power supply	100-240VAC, (12-24VDC, max 40W – ext. power supply)
Dimensions (approx.)	1350 x 1850 x 1100mm (W x H x D)
Weight (approx.)	110 kg