



Optical Gates for measuring of accuracy - WTS03/04



Weatherproof Target System WTS03 is accurate electronic equipment for measuring of projectile accuracy and 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 and two oblique high-speed optical gates, type MOG03



Calibre range	min. 4 - 30mm
Velocity range	min. 50 - 3000 m/s
XY coordinate inaccuracy	<5mm or <0.5% of XY range (greater value, 200 – 1500 m/s, projectile base trig.)
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	950 x 950mm
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 X and Y 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.)	140 kg