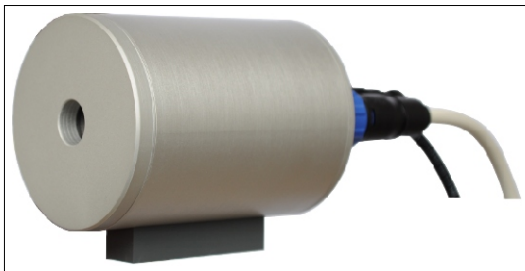


DRS-1 DOPPLER RADAR SYSTEM



Doppler antenna



Triggering unit FD01M



DESCRIPTION

DRS-1 Doppler radar system is an equipment designed for projectile velocity measurement.

TECHNICAL PARAMETERS

Measured parameters:

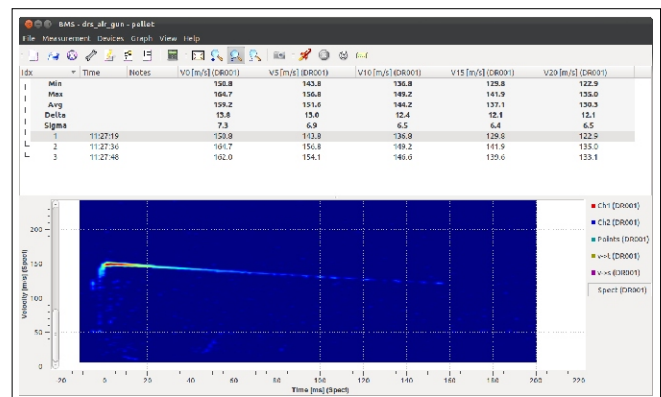
- dependence velocity / distance / time
- dependence acceleration / distance / time

Caliber range 2 to 100 mm
 Velocity range 50 to 2000 m·s⁻¹

Measuring distance (typical measuring distance in outdoor, indoor measuring is usually longer due to reflections from walls.)

| | |
|--------------|-------|
| cal. 5,56 mm | 60 m |
| cal. 7,62 mm | 100 m |
| cal. 9 mm | 150 m |
| cal. 12,7 mm | 200 m |

Velocity measurement accuracy 0,2 %
 Frequency 24,15 GHz
 Transmitter output 100 mW
 Beam width 12°
 Protection IP63



BMS Software