

Doppler Radar System

The Doppler Radar System offered by SABRE Ballistics is a compact portable fixed head system for ballistic testing. It measures all calibres of weapons including small arms up to base bleed ammunition, including discarding sabot and tracer types. The Antenna is usually fitted on a tripod mounting, but can be mounted on weapons.

The system consists of an X Band planar Antenna Unit, a Power Processing Unit (PPU), a PC (typically P4) and connecting cables.

Single and burst firing may be recorded and the data is transferred to the PC via a high speed USB connection, which allows use with Notebook PC's.

Processing of the radar data is possible using an attached PC. The following data is then available: velocity versus time; acceleration versus time; velocity and acceleration versus distance; Drag coefficient; raw Doppler signal; signal strength versus time. In addition, graphics and tabular print out with waterfall plots and Excel output may be selected.



MEASURES ALL CALIBRES

EASILY FITTED ON TRIPODS OR GUNS

PORTABLE AND COMPACT SYSTEM

CHOICE OF ANTENNAE

DOPPLER, IR OR ACOUSTIC START SIGNAL

X BAND SYSTEM

PC INTERFACE AND PROCESSING

EXTENSIVE ANALYSIS FACILITIES



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