

Tracking Doppler Radar System

The **SABRE** CW Tracking Doppler Radar System is designed for all calibres weapons including small arms up to the largest calibres including Base Bleed types.

The system consists of a steered X Band planar Monopulse Antenna Unit. Antenna mount (trailer); Tracking control unit; Trajectory Radar Processor; Operator Terminal.

Processing of the radar data is possible using an attached PC. The following basic data is available:

Radial and tangential velocity versus distance and time

Radical and tangential acceleration versus distance and time

Distance and time.

Distance versus time

Vertical velocity and horizontal velocity

Offset velocity

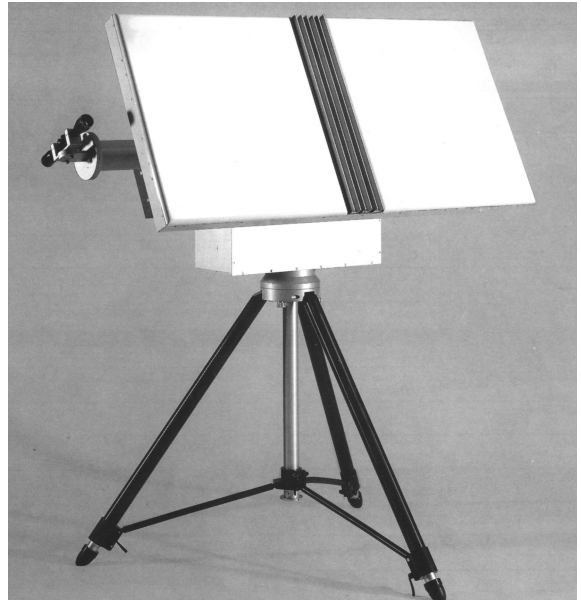
Drag versus time

Drag versus Mach number

Received signal strength versus time and distance

Revolving Ratio versus time and distance

In addition, graphics and tabular print out with waterfall plots etc are provided.



STATE OF THE ART DESIGN

MEASURES ALL CALIBRES

X BAND SYSTEM

PC BASED PROCESSING

COMPACT TRAILER

TRACKING UP TO 50KM

SABRE
Ballistics