

Integrated Range Instrumentation System 495

The **SABRE Ballistics** Integrated Range Instrument System (IRIS) is an "all-in-one" control system for weapons and ammunition proofing, research and development on the range. In conjunction with a suitably equipped weapon, SABRE Milligan Sky Screens and an electronic target, all standard measurements can be readily made, recorded and analysed. Transducers (eg coils) from other manufacturers are also supported on request.

IRIS is controlled by a specially configured PC compatible computer, Luggable or Notebook. A vast range of application programs are available for PC computers. It is an open system allowing possibilities for the user to extend the system capabilities. The standard control software allows the system to be pre-configured for a number of separately identifiable tests. A user friendly operator interface including Help screens is incorporated.

Data is displayed on a high resolution graphics display. The acquired data may be displayed, printed or plotted during or after the trial or series.

In addition, all acquired data together with trial configuration details (and data etc) may be saved in a fixed format file on floppy disk or CD-ROM. Alternatively data may be transferred by modem or network to a separate computer system. The standard system less optional external printer is mounted in a desktop or rack case, unless a Notebook based system is selected. A transit sealable case with resilient rack mountings may be supplied for portable applications.

The SABRE IRIS system can be readily expanded with additional hardware or software to suit particular specialist needs. Motion kinematics, strain gauge and ricochet analysis are some examples of additional measurements that the system has undertaken. In addition, bar code entry of serial numbers or ammunition lot numbers can be readily accommodated.



RACK, DESKTOP & NOTEBOOK SYSTEMS

ONE - FOUR PRESSURE CHANNELS

ACTION TIME

MULTIPLE VELOCITY CHANNELS

RATE OF FIRE & ACCURACY

KINEMATICS

DATA ANALYSIS & PRESENTATION

SABRE
Ballistics