



The MS Instruments LTD Ballistic Instrumentation Systems provide a printout with a full range of data. The configuration of the printout varies according to the data available.

Some data is entered manually and is recorded for records purposes only whereas some parameters are actively used in calculations and data analysis. Meteorological and other 'condition' data may be collected from automatic stations provided by the company.

The computer software may be configured to display various headers and data in many different forms; typical printouts from an Automatic Target and a Velocity Measuring System are shown below.

M. S. Instruments PLC - EPVAT 2 09/01/2009 16:15:20

Trial

| | | | |
|-----------|--------|------------|---------------------|
| Title | Test 1 | Date | 18/08/2008 12:09:18 |
| Sub Title | | Serial No. | |
| Trial No. | | Range Name | |

Statistics

| | | |
|-----------------------|--------|-------|
| Round Type | Work | |
| Ammo Type | Ball | |
| Rounds | 4 | |
| | X | Y |
| MPI (mm) | 238.1 | 102.4 |
| Group Rectangle (mm) | 1089.2 | 665.7 |
| Std. Deviation (mm) | 481.9 | 303.8 |
| Std. Deviation (mils) | 4.9 | 3.1 |
| A plus B (mm) | 1754.9 | |
| Group Size (mm) | 1276.5 | |
| Extreme Spread (mm) | 1090.2 | |
| Group Circle (mm) | 1113.2 | |
| Mean Radius (mm) | 465.4 | |
| Mean Radius (mils) | 4.7 | |
| Group S.D. (mm) | 402.8 | |
| Group S.D. (mils) | 4.1 | |

AREA: 2000 mm x 2000 mm

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Trial Data

| | | | |
|-----------|--------------|------------|---------------------|
| Title | SW Test NBIS | Date | 26/03/2008 12:13:26 |
| Sub Title | | Serial No. | |
| Trial No. | | Range Name | |

Shot Table

| ShotNo | RoundTypeID | AmmoTypeID | KE_UKAS | V1 |
|--------|-------------|------------|---------|---------|
| 1 | Work | Ball | 13.549 | 608.384 |
| 2 | Work | Ball | 135.948 | 957.488 |
| 3 | Work | Ball | 135.688 | 956.572 |
| 4 | Work | Ball | 135.948 | 957.488 |
| 5 | Work | Ball | 135.688 | 956.572 |

Statistics

| Value | Rounds | Min | Max | Spread | Mean | SD | SDn | Prob95 | Prob90 |
|---------|--------|-------|-------|--------|-------|-------|-------|--------|--------|
| KE_UKAS | 5 | 13.5 | 135.9 | 122.4 | 111.4 | 54.7 | 48.9 | 341.6 | 297.8 |
| V1 | 5 | 608.4 | 957.5 | 349.1 | 887.3 | 155.9 | 139.5 | 1543.7 | 1419.0 |
| E1 | 5 | 13.6 | 136.6 | 123.0 | 111.9 | 55.0 | 49.2 | 343.3 | 299.3 |

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