

*Advanced, Consistent Precision*



## METEOROLOGICAL STATION TYPE 574

The Meteorological Station Type 574 is an innovative system that incorporates an array of advanced weather-measurement units.

In modern firing for testing and training, being fully aware of all environmental conditions surrounding the trials is essential. By analysing the data retrieved from the station, the user can develop a complete understanding of how the shots have been affected, leading to more efficient and informative trials.

## EFFICIENT AND INFORMATIVE

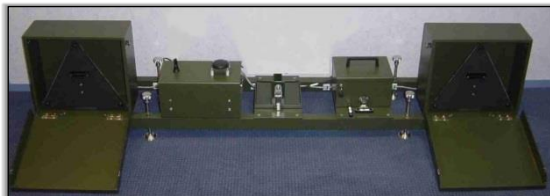
### HARDWARE/SOFTWARE

- **Precision Solid-State Anemometer** measures wind speed.
- **Accurate Electronic Compass** works in unison with the anemometer to provide wind direction readings
- **GPS** outputs positional and precision time data.
- **Central Range Computer** builds a detailed record of weather conditions for each firing event (if desired).
- **Transceiver Type 574** allows the unit to be placed almost anywhere on the range within 2km.
- **Two Stations** can be setup up to tally meteorological data with shot data from an automatic target, allowing the user to determine whether a rogue shot is due to gusting winds.

### SPECIFICATION

| MEASUREMENT                      |   |
|----------------------------------|---|
| <b>Barometric Pressure Range</b> | 800 – 1100mbar  |
| <b>Humidity Range</b>            | 0-100%  |
| <b>Temperature Range</b>         | -40°C - +60°C<br>[-40 °F – 140 °F]  |
| <b>Brightness Range</b>          | 0 – 100 Lux   |
| <b>Wind Speed Range</b>          | 0 – 70 m/s<br>[0 – 156 mph]   |
| <b>Wind Direction</b>            | 0° - 359°, with resolution of 1°  |
| <b>Anemometer Sensor</b>         | 3-Axis Ultrasonic Meteorological  |
| <b>Derived Data</b>              | <ul style="list-style-type: none"> <li>• Wind chill</li> <li>• Dew Point</li> </ul> |
| POWER/COMMS                      |   |
| <b>Power</b>                     | 12V DC (25VA)   |
| <b>Communications</b>            | RS485 Cable Link/Wireless   |
| DIMENSIONS                       |   |
| <b>L x W x H</b>                 | 80 x 86 x 236 cm<br>[31.5 x 33.9 x 93.0 in.]  |
| <b>Weight</b>                    | 34.0 kg   |

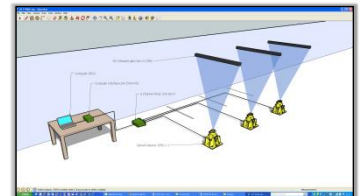
### USED WITH



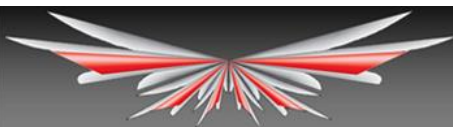
Acoustic Target Type 541



Range Processor Type 663



Projectile Velocity Measurement System



## MS INSTRUMENTS Range Consultancy

*Precision, Expertise, Quality*

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- Only the Latest Standards



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