

## MEASURING KIT

- DIGITAL INCLINOMETER
- SENSOR & DISPLAY
- INCLUDES LASERBEAM
- STANDARD XLR3 CABLE
- TAPE MEASURE INCLUDED



### APPLICATION NOTES

Controlling the tilt angle and distance to the floor is essential when installing a line array system in a flown or stacked configuration. The Adamson measuring kit has everything you need for an accurate installation.

The measuring kit includes a digital inclinometer set and a tape measure safely secured in a die-cut foam/durable plastic casing.

The sensor is fitted to the rigging frame or placed onto a cabinet which allows the measuring of the aiming angle.

The sensor is connected to the display with a standard XLR3 cable for remote access.

When switching the inclinometer on, the laser beam is automatically activated, facilitating not only the visual control of the array's vertical aim but the horizontal positioning as well.

A tape measure included in the kit is used to measure the trim height of the array, in order to match it with your Shooter® simulation.

Two separate batteries enable the use of the inclinometer, even if the laser battery is low.

The sensor is fastened to the rigging frame with a safety steel rope.



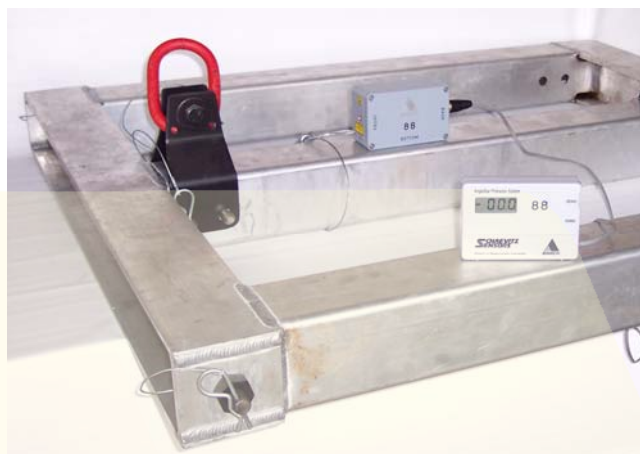
# MEASURING KIT

## RECOMMENDATIONS

- When the Sensor and display are paired, verify they hold the same serial number before use.
- Check the calibration by placing the sensor on a flat surface.
- Turn on and read the value on the display.
- Turn the sensor front to back (180°)
- The display must show the same value ( $\pm 0.1^\circ$ ) for both directions.
- Never touch the electronic calibration.

## INCLINOMETER

|                        |  |
|------------------------|--|
| Linear Range :         | $\pm 45^\circ$   |
| Resolution :           | 0 to $10^\circ \pm 0.1^\circ$<br>10 to $45^\circ \pm 1\%$ of reading |
| Temperature range :    | -18 to $55^\circ\text{C}$ / 0 to $130^\circ\text{F}$                 |
| Connectors :           | XLR 3 Adapter  |
| Cable maximum Length : | 25m  |
| Voltage Supply :       | 9V battery (housed in the display)                                   |
| Battery Life :         | 205 hours  |



Sensor is fitted onto the frame and secured by a safety steel rope. Remote controlled display's laser turns on and the angle measurement is received via a standard XL3 cable.

## LASER BEAM

|                  |  |
|------------------|--|
| Power :          | 3 mW   |
| Wavelength :     | 635 nm red (better visibility compared to the usual 650 nm model ) |
| Alignment :      | better than 1% (1meter for100 meters)                              |
| Power on :       | remote controlled from the display                                 |
| Voltage Supply : | 9V Battery (housed in the sensor)                                  |
| Battery Life :   | 12 hours   |



Specifications Are Subject To Change Without Notice