

Miss Distance Indicator

AS-131/12U/UI/TB



The AS-131/12U/UL/TB is a universal 12-sector Miss Distance Indicator (MDI) with an uplink command receiver. This MDI is intended to be used with sleeve or banner targets.

The MDI is designed for simultaneous indication of miss distance and angular position in 12 sectors of a passing supersonic projectile. The MDI is a universal type, it handles all target courses relative the firing gun or missile. All types of attacking and passing courses.

The uplink command receiver is used for changing the MDI identify, down link frequency and MDI measuring sensitivity. Commands are transmitted from the uplink command unit UCU-1. The UCU-1 is normally operated from ground. The possibility to communicate with the MDI is important in the multi target simulation and when different calibers are used during the same mission.

The MDI consists of:

- Microphone noise containing six pressure sensors
- Cylindrical body containing electronics
- Transmitter
- Uplink Receiver
- Rechargeable NIMH accumulator

The MDI can be equipped with a range of tow line connections in order to facilitate connection to most target towing systems. For hard target or UAV applications the universal 12-sector models AS-133/12U/UI, AS-134/12U/UL or AS-135/12U/UL are recommended.

12U = 12 sector universal
UL = Uplink receiver
TB = Towbar

Measuring Principle:

The miss distance indicator (MDI) AS-131 detects acoustically the shock wave generated by the passing supersonic projectile. The miss distance is determined by the amplitude of the shock wave while the angular position is determined from the hit order between the different pressure sensors in the MDI nose. The miss distance and the angular position of the projectiles are measured in real time and the data is transmitted as raw signals via the special designed transmitter to the scoring station. Since raw data is used, all calculations are made in the scoring station.

A recalculation of the scoring result, with later more accurate parameters, can easily be made in the scoring station for further improved accuracy.

For further info and price quote, please contact:

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