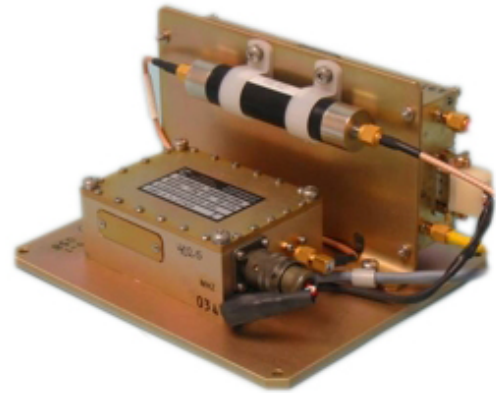


DATA SHEET

MicroDops Scoring System



01 Description

The Microdops Doppler Radar Sensor is a small, ultra-lightweight, low-cost scorer designed for use on a wide variety of aerial tow targets and drones. The sensor is easily adapted to the target through the use of an installation kit that contains required hardware.

The Microdops satisfies both air-to-air and surface-to-air scoring requirements; and can be used for either counting small projectiles or as a scalar miss-distance indicator (MDI) for larger projectiles and missiles. A unique feature of this system is the self-telemetry capability which eliminates the need for a separate telemetry transmitter. Two frequencies are available to facilitate dual-target missions. The Microdops is readily adaptable to standard telemetry systems when extended range is required.

02 Key features and benefits

- Scoring Range
 - selectable 9 m (29.5 ft)
 - 12 m (40 ft) 20 m (65 ft)
- Scoring Accuracy ± 0.3 meters (± 1 ft)
- Operating Frequency 3245 MHz
- Relative Velocity 244 to 1829 m/s (800 to 6000 ft/s)
- Self telemetering 2 miles typical (function of antenna gain)
- Dual drone capable

03 Applications

- Aerial towed targets and drones

04 Contact

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05 Specifications

Weight	0.5 kg (16.9 oz)
Length	16.2 cm (6.375 in)
Width	7 cm (2.75 in)
Height	2.9 cm (1.16 in)
Mounting hardware	Four 4-40 screws
Typical mating hardware	J1 XMTR output — SMA plug J2 RCVR input — SMA plug J3 input/output — 9-pin DE-9S

06 Outline details

