



RADAR SPEED SENSOR

Accurate speed sensing is one of the keys to achieving top performance from your electronic monitoring and controlling equipment. An incorrect speed signal can create significant errors in speed and distance measurement, chemical and fertilizer application and yield calculations resulting in costly mis-applications, crop damage, reduced yields, and inaccurate information for your overall management program.



VANSKO TRUE GROUND SPEED SENSOR (MODEL #740)

The Vansco radar speed sensor combines state-of-the-art electronic design and manufacturing, a rugged, weather-resistant aluminum housing and complete testing and certification to deliver a reliable and accurate speed signal for mobile equipment. This true ground speed sensor calculates speed independently of wheel motion using a microwave (radar) signal and the principle of Doppler shift (measuring the changes in the frequency of the reflected signal). Because it doesn't use the movement of a wheel or drive shaft, errors in signal due to wheel slippage or wheel distortion from varying loads and ground conditions are eliminated.

Adapter cables are available for all Micro-Trak monitors and control systems. The Vansco radar may also be used to improve the performance of other monitors and control systems that require a speed sensor signal.

Micro-Trak Systems Inc.
800-328-9613
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WHAT SETS US APART:

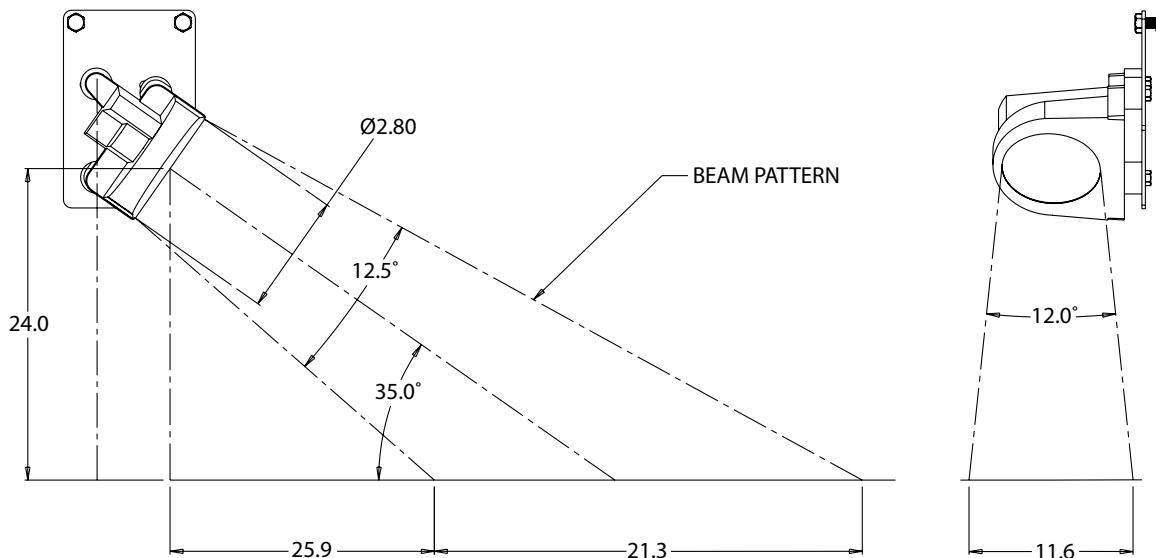
- Partner/Listen/Customize
- 3-year warranty
- Loaner program

 **MICRO-TRAK**
INNOVATIVE FROM THE GROUND UP
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SPECIFICATIONS FOR VANSKO RADAR SPEED SENSOR – MODEL 740

Velocity Range	0.3 to 44 mph (0.5 to 70 km/hr)	Materials	Enclosure: black nylon, glass reinforced Cable: water resistant 18 AWG 4/C SJOW
Accuracy	< ± 3% for 0.3 – 2 mph (0.5 – 3 km/hr) < ± 1% for 2 – 44 mph (3 – 70 km/hr)	Electrical Supply	Max. 120 mA @ 12V DC +9 to 16V DC input voltage range
Beam Footprint	Elliptical, 16.4 in. (41.7 cm) major axis and 9.0 in. (22.9 cm) minor axis at 24 in. (61 cm) mounting height	Output Frequency	58.9 Hz/mph @ 35° mounting angle Other frequencies are available by custom order (with adapter cable)
Beam Pattern	12.5° in the vertical plane and 12.0° wide, symmetric around centerline of sensor	Approvals	RSS-210 (Industry Canada) FCC (Part 15, USA) R & TTE Directive 1999/5/EC Automotive/Agricultural Directive 2000/2/EC
Mounting Angle	35° depressed below horizontal rear facing (preferred to reduce potential damage) or forward facing	Environmental Compliance	EN ISO 14982 ASAE EP-455 which includes standards for reverse polarity, EMI, electrical transients (such as load dump, inductive load switching), chemical corrosion, dust, salt spray, rain, wash, mechanical shock, and vibration.
Mounting Height	12 to 48 in. (0.3 to 1.2 m) above the ground or above the top of the crop, typical mounting height 24 in. (0.6 m)	Operating Temp.	-40°C to +85°C (-40°F to 185°F)
Mounting Fasteners	Four (4) of 1/4 – 20 UNC bolts to fit metal inserts with 0.35 in. depth		
Overall Dimensions	3.9 in. x 3.9 in. x 3.6 in. long (9.9 cm. x 9.9 cm. x 9.2 cm.)		
Weight	1.0 lbs. (460 g)		

PROJECTED AREA OF BEAM FOR STANDARD MOUNTING HEIGHT



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