

VIARADAR II

"WHEN ONLY THE BEST IS GOOD ENOUGH"



Low Power Requirement and High Performance.

Low power consumption, small size, and competitive price all make Viatronics new Stationary ViaRadar II the right choice for nearly any speed measurement application.

The Stationary ViaRadar II is compact and light weight. Its 11.2 x 9.9 x 4 cm size allows it to fit almost anywhere.

The ViaRadar II utilizes digital signal processing that enables it to track vehicles either moving toward it, vehicles moving away, or both directions simultaneously.

Outdoor applications like speed trailers, pole mounted speed signs, and photo radar are protected by its IP67 waterproof case and a single, also waterproof, cable provides power and communications in 14 industry standard data formats. Additionally, it has a range of over 400 meters.

So if your application requires accurate, reliable speed measurement in environments from mild to harsh, a Developers Kit is available, which includes the ViaRadar Stationary Speed Sensor II, power cable, serial data cable, sensor mounting hardware, communications/programming application, and user manual.

FEATURES

- MPH, km/h, knots, m/s, ft/s
- RS-232, RS-485
- 11 streaming, 3 polled protocols
- IP67 rated
- Low power consumption <1 watt
- 1-Year parts and labor warranty

TRIGGER OUTPUT



- Electrically isolated trigger contacts
- Two normally open (NO) contacts
- 60 volt max
- 400 mA max

COMMUNICATION PORTS



4 communications types

- RS-485 full duplex
- RS-485 half duplex
- RS-232 no flow control
- RS-232 with hardware flow control

Up to Three simultaneous ports,

- One RS-485 FD and one RS-232 port available simultaneously
- Two RS-485 HD and one RS-232 port available simultaneously
- Any output protocol on any port
- Baud rates – 9.6K to 115.2K baud
- 11 streaming protocols
- 3 polled protocols
- Sensor are addressable with multi-drop capabilities



MICROWAVE SPESIFICATIONS

Frequency:	24.125 GHz (K-Band)
Beam width:	30° by 32°
Transmit power:	10 mW
Frequency range:	100 MHz

GENERAL SPESIFICATIONS

Operating Temperature:	-30 to +70° C
Storage temp	-45 to +85° C
Range	400 m (1300 feet)
Minimum Speed :	1 KPH / MPH
Maximum speed:	322 KPH (200 MPH)
Speed Resolution:	0.1 KPH / MPH
Speed Accuracy:	0.5 KPH / MPH ±0.3%
Directionality selections :	Approaching, Receding, Both

POWER

Voltage:	10 to 45 volts, DC
Current (24 volts DC)	80 mA @ 12 VDC typical
Power	<1 watt
Protections:	Transient protection Reverse voltage protection Resettable Fuse

WEIGHT & DIMENSIONS

Weight:	0,35 kg (<13 oz.)
Size:	Height 9,9 cm x Length 11,2 cm Width 4 cm
Housing	Die-cast aluminium
Lens	HDPE
Electrical connector	M12, 12 pin
Mounting	4 x 10-32 UNF

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