

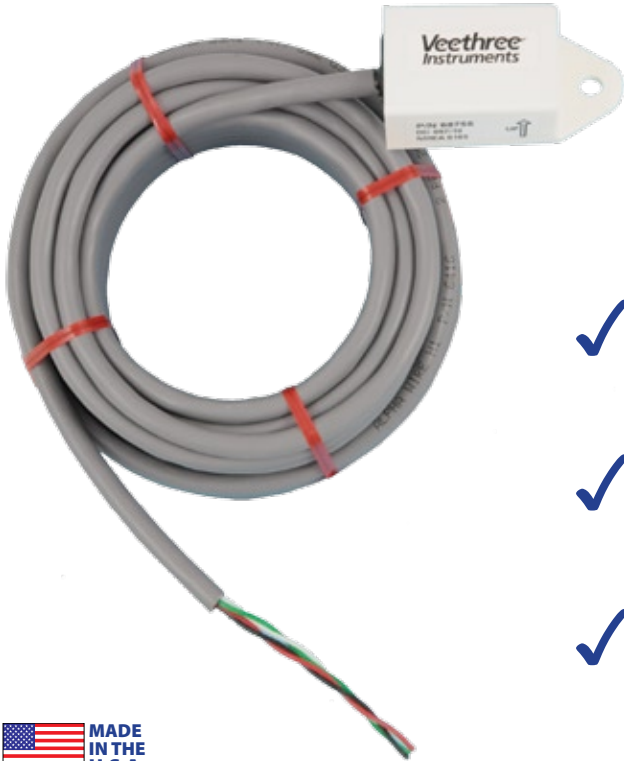
Energized Innovation

Sarasota

Chicago

India

**Veethree**  
Instruments



## The Veethree GPS Receiver

- ✓ *Standard GPS with 1-second (1Hz) update rate that outputs NMEA 0183 info*
- ✓ *Fast update GPS with 1/10-second (10Hz) update that outputs NMEA 0183 info*
- ✓ *Fast update GPS with a 1/10-second (10Hz) update that outputs 8- or 16-pulse signal to drive existing electrical speedos on the market*



Part #	Product
68755	Standard update with 25 ft harness and no connector (the connector is supplied separate so you can feed this long wire through tight areas and then add the connector)
68982	Standard update with 4 ft harness and no connector
68969	Standard update receiver with 4 ft harness with connector attached
69053	Fast update NMEA 0183 4 ft harness with connector attached
69054	Fast update NMEA 0183 4 ft harness without connector attached
69055	Fast update NMEA 0183 25 ft harness without connector attached
69248	Fast update 8/16 pulse output with 4 ft harness and ring terminals to connect to threaded #8-32 studs on existing electric speedo's (Non- GPS speedo heads)
68869K	4 pins and connector for units without connector to attach to the Veethree GPS speedometer gauge.

Sept. 2011

### HIGHLIGHTS

- 1Hz unit outputs NMEA0183 data at 4800 baud, 8 data bits, 1 stop bit, no parity (NMEA 0183 standard).
- 10Hz unit outputs same NMEA messages at 38,400 baud.
- Receiver output is a differential signal to meet NMEA 0183 specs. [The input on the speedo head is an opto-coupled NMEA0183 differential input].
- Operating voltage is 10-32V DC; unit typically consumes <50mA at 12V.
- Operating temperature -30 to +85°C, storage -40 to +125°C.
- Cold/warm/hot start times are <35/<34/<1 seconds.
- 66 channels for acquisition, 22 for simultaneous tracking.
- Position accuracy is "<3m CEP (50%) without SA (horizontal)" or "3.0m 2D RMS".
- Velocity accuracy is "0.1m/s without aid".
- The default NMEA output messages are GGA, GSA, RMC, VTG, and GSV
- For 8/16 pulse unit only: The pulse output is a square wave, low voltage should be <0.5V, high voltage will be (supply-0.5V).