ODOS R&D 50 Hz GPS CAN sensor

Our CAN-based GPS/GNSS sensor provides accurate positioning with update rates up to 50 Hz (optimal at 40 Hz). It outputs date, time, latitude, longitude, altitude, course, and speed.

Configurable plugin in ODOS dashboard to be added to any ODOS data logger unit, compact and lightweight.

SPECIFICATIONS

Position accuracy	CEP (50%)	2.5 m
Acquisition	Cold starts	29 s
	Aided starts	28 s
	Reacquisition	1 s
	Max Update Rate	250 Hz
Number of concurrent GNSS		GPS/QZSS L1 C/A + SBAS
Position/COG/Speed Update Rate		1/2/4/5/10/20/25/40 (default)/ 50 Hz
Environment	Operating temp	-40 to + 80 °C
	IP-rating	IP6X
Mechanical Shock (Max values)	Duration < 200µs	10000 g
	Duration < 1ms	2000 g
	Free Fall Distance	1.8 m

Weight		30 grams
Dimensions		H 22 x W 40 x L 45 mm
CAN *1	Baud rates	1000, 500, 250 kbps
	Address Range *2	1 (0x01) to 2042 (0x7FA). Default = 0x31E
Power	Voltage Range	9 – 16 V
	Current (sleep)	110 (10 mA) @ 12 V
Input pins		2-28 V

*1 The default settings are 1000kbps and start address 0x31E, the unit has no CAN termination.

*2 The unit uses 4 CAN address which are in consecutive order from address that the unit is set to.