
AC-GNSS_Mouse_25Hz-000**25Hz serial GNSS Receiver**

**Key Features**

- GPS/GNSS features
 - 25 Hz GNSS receiver (GPS, Galileo, GLONASS and BeiDou are received concurrently)
 - SBAS and QZSS augmentation support
 - Typical accuracy of CEP < 1.00 m
 - In combination with 2D Logger Speed, Course and Position accuracy channels
 - In combination with 2D Logger automatic GPS laptrigger detection for more than 330 racetracks worldwide
 - In combination with 2D Logger additional user configurable GPS position for individual GPS lap time

- Interface type: Serial connection

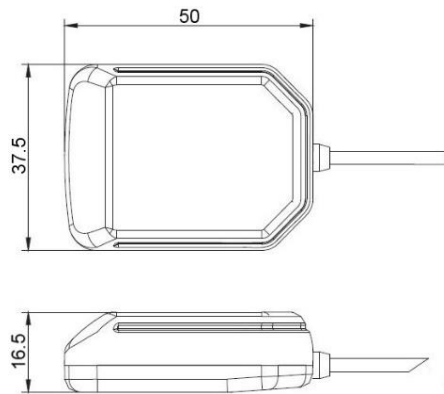
- At least Sticklogger FW > 100 is required to use AC-GNSS_Mouse_25Hz-000

- Mechanical features
 - Compact and light weight housing (Rugged and waterproof (IP67))
 - Integrated magnet allows simple assembly on all magnetic surfaces

Technical specifications

Mechanical		Electrical	
Dimensions	mm	37.5x50x16.5	
Weight Car (cable included)	g	75	
Housing material		ABS-PC	
Connection		Binder 712, 4PM	
Type		Raychem	
Wire cross section		4x AWG28	
Length	mm	2000	
		Environmental	
		Sealing class	
		IP67	
		Operating temperature	
		°C	-40 to +85
		Humidity	
		%	5 to 95
		Ordering information	
		AC-GNSS_Mouse_25Hz-000	

Dimensions

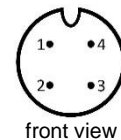


Connector layout

Connector type

Logger Communication, Binder 712 4PM

Pin	Name	Description	Color
1	TxD	Data Tx	green
2	RxD	Data Rx	white
3	GND	Ground	black
4	Vext	Power supply (4-28V)	red



Connector and cable length can be modified on customer request

Mounting Instructions



Improper mounting of the GNSS Receiver can result in bad GNSS accuracy!

- Mount the GNSS Receiver solid / rigid to the vehicle, avoid vibrations and do not use velcro or similar.
- Mount the GNSS Receiver to a stable and low or non-vibrating part of the vehicle
- The GNSS Receiver must be mounted on the top of the vehicle and be oriented parallel to the horizon.
- The optimum receiver location must have “unshaded” direct view to the sky.
- When mounting the receiver on non-metal surfaces, please use the self-adhesive ground plane - *AC-GPS_ground_plane-000*
- For fixed screw mounting, *AC-GPS2CAN_Mountingplate-000* can be used



Documentation reference

For more information about *Mounting Instructions* please see manual

GPS – General description on our website:

<http://2d-datarecording.com/downloads/manuals/>

Downloads

- [GPS – General description](#)
- [Revision of GNSS](#)
- [Overview 2D GPS/GNSS modules](#)