**ALMEMO® GPS mouse for determining current geographical data**

Using the ALMEMO® GPS mouse makes it possible to display and save geographical data on an ALMEMO® measuring instrument. The data storage can occur automatically with the measuring cycle or manually. The measured values of the connected sensors are saved simultaneously with the geographical data. This method makes it possible to assign the logged measured values to the geographical data determined at the time of measurement.

**ALMEMO® GPS mouse ZAD 919-GPS**

- The ALMEMO® GPS mouse determines the current geographical position.
- The ALMEMO® GPS mouse measures the northern / southern latitudes and the eastern / western longitudes in degrees and decimal minutes and displays them in 4 channels:
  - Example: Position latitude 47 degrees 53.1624 minutes north and longitude 11 degrees 42.2056 minutes east
  - 1st channel: 47.53 Latitude
  - 2nd channel: 0.1624 m
  - 3rd channel: 11.42 Longitude
  - 4th channel: 0.2056 m
- The ALMEMO® measured values that are transformed to coordinates can be e.g. entered in Google Earth, and by doing so, the geographical position can be displayed.
- The power for the GPS mouse is supplied by an ALMEMO® device (6 to 12 V, approx. 100 mA). The device cannot operate in sleep mode.

**ALMEMO® GPS mouse FGD7 01**

- The ALMEMO® D7 GPS mouse determines the current geographical data.
- For current ALMEMO® V7 measuring instruments, i.a. ALMEMO® 202, 710, 809, 500.
- 14 measuring variables can be acquired. Via the ALMEMO® D7 plug it is possible to display 10 measuring channels simultaneously.
- 9 measuring channels are preprogrammed on leaving our factory:
  - 1st channel: degree of longitude GPRMC, up to E179°59,9999
  - 2nd channel: degree of latitude GPRMC, up to N089°59,9999
  - 3rd channel: height above Geoid in meters
  - 4th channel: Speed in km/h
  - 5th channel: direction of movement in °
  - 6th channel: direction of movement in text from 7th channel: Universal Time (UTC), resolution 1 second
  - 8th channel: display of the satellites
  - 9th channel: age of the data in seconds
- Alternatively further measuring variables are selectable: degree of longitude Google, up to E179.999999 and degree of latitude Google, up to N89.999999, Speed in m/s or mph or kn.
- The power for the GPS mouse is supplied by an ALMEMO® device (6 to 12 V, approx. 100 mA). The device does not operate in sleep mode.
- Note regarding the analysis of the saved measured values by means of the ALMEMO® Control software: Once the measuring operating is completed, the measured values saved in the ALMEMO® device are retrieved. By means of a new feature of the ALMEMO® Control software, the measured values can be transformed into a Google Earth compatible markup language to enable the description of geographical data (KML = Keyhole Markup Language). Thus, waypoints (geographical positions) and saved measured values can be visualized together in Google Earth.

**Variants**

**Order no.**

<table>
<thead>
<tr>
<th>Variants</th>
<th>Order no.</th>
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</thead>
<tbody>
<tr>
<td>GPS mouse with approx. 2 meters cable, terminal box, with 0.5 m cable and ALMEMO® plug (range DIGI)</td>
<td>ZAD919GPS</td>
</tr>
<tr>
<td>GPS-mouse with 2 meters cable, terminal box, with 0.5 m cable and ALMEMO® D7-plug</td>
<td>FGD701</td>
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