ppm

Precise Positioning Management

4011
GPS COMPASS SYSTEM

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The ultimate tool for exact alignments
– when the direction has to be right ...

▸ Accurate alignment ▸ Easy to use ▸ Reliable measurements without preparatory work

▸ Comprehensive job reports ▸ Encrypted files as evidence of your work

Facts that make a difference

Accurate and reliable

With our state of the art GPS technology you can determine the alignment of an antenna with an accuracy of 0.4° (RMS). Magnetic disturbances when working e. g. near a steel mast or the steel construction of a roof will not interfere with your measurements.

Saves time and money

The use of a 4011 GPS Compass requires no elaborate preparatory work such as pre site inspections or the establishing of known points and their coordinates. The job at hand can be completed fast, and can be done by changing staff what increases flexibility regarding work and personnel planning.

Quick start

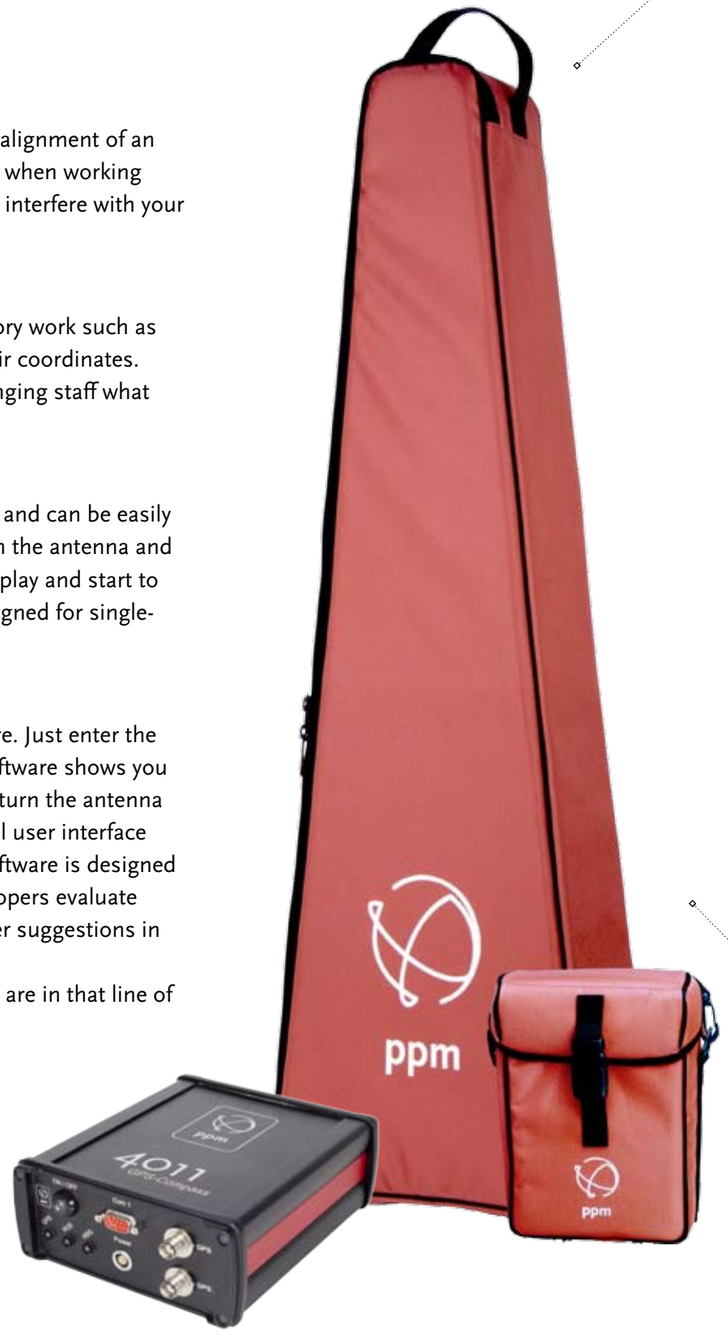
The lightweight 4011 GPS Compass is portable in two field bags and can be easily assembled in short time. Once on site just mount the system on the antenna and within one minute you will have the alignment value on your display and start to work. By the way, the construction of the antenna bracket is designed for single-handed use.

Easy to use

Our user friendly software is based on Microsoft Mobile software. Just enter the azimuth value the antenna should have for transmitting. The software shows you the difference between the current and the required value. Now turn the antenna until the difference value is zero. Ready. With its clear and logical user interface and without any sidetracking extra functions our TnMob field software is designed to meet the requirements of antenna fitters. Our software developers evaluate carefully the feedback from users in the field and implement user suggestions in the subsequent software versions.
TnMob is easy to use because it is easy to understand when you are in that line of work.

Proof your point

All measured and entered values including day and time are stored in an encrypted file. With TnMob-Office you can check and verify your measurements on your office PC and edit your entries. The measured values however can be neither deleted nor edited. The original GPS measurements are preserved and your edited entries marked as documentary evidence of work.



- 4011 GPS COMPASS SENSOR
- ANTENNA POLE WITH GPS ANTENNAS
- ANTENNA BRACKET
- ANTENNA CABLE SET
- BLUETOOTH MODULE
- LITHIUM-ION RECHARGEABLE BATTERY
- CHARGER FOR BATTERY
- SERIAL DATA CABLE
- POWER CABLE
- GPS COMPASS FIELD BAG
- ACCESSORIES FIELD BAG
- USER MANUAL ON CD-ROM
- PDA WITH BLUETOOTH
- TNMOB FIELD SOFTWARE
- TNMOB OFFICE SOFTWARE

4011 GPS COMPASS SYSTEM

TECHNICAL SPECIFICATION

GPS/GNSS-RECEIVER FEATURES *

- 12 independent GPS L1 channels
- 2 SBAS (WAAS/EGNOS) channels
- L1 C/A code and phase measurement
- 30 sec. for an azimuth determination

CONNECTIONS AND DISPLAYS

- 2 RS232 connectors
- 3 Status LED for GPS, position and azimuth calculation

GPS-ENVIRONMENTAL

- Protection:
  - Receiver IP54
  - Antenna IP67
- Operating temperature:
  - Receiver -30° C to +70° C
  - Antenna -30° C to +70° C
- Storage temperature: -40° C to +85° C

ACCURACY *

- Azimuth: 0,4° RMS
- Cold boot: < 60 sec. typical
- Azimuth calculation: < 3 0 sec. typically

PHYSICAL

- Size: 157 × 69 × 180 mm (W × H × D)
- Weight:
  - Receiver 1,3 kg
  - Antenna pole 0,8 kg
  - Antenna bracket 2,0 kg

ELECTRICAL

- Power supply: 9 -16 Volt
- Battery: Li-Ion 11,1 Volt - 6600 mAh
- Operates more than 20 h with a single battery

** All values as RMS. Performance values assume minimum of seven satellites. High multi-path areas, high PDOP values and periods of severe atmospheric conditions may degrade performance.*

Dealer