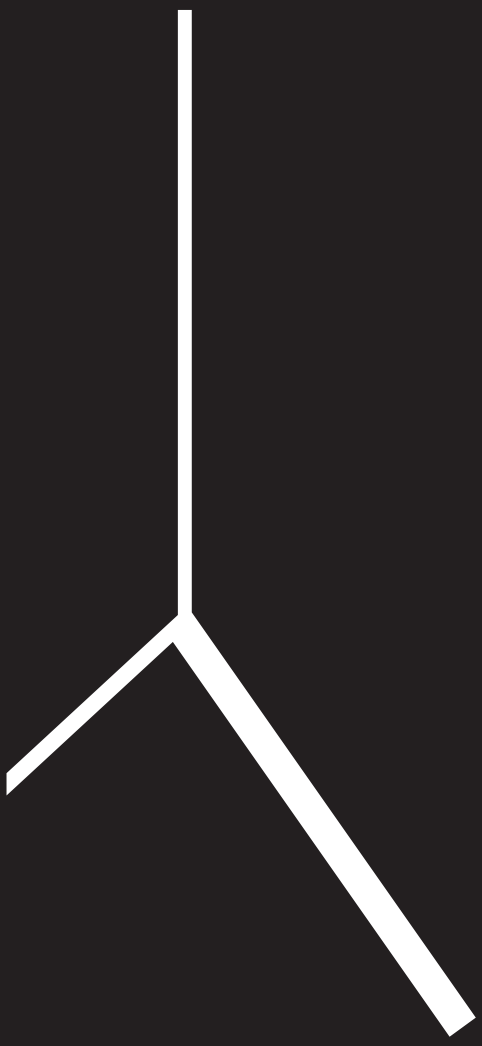
EMLID

Survey Pole

User Guide



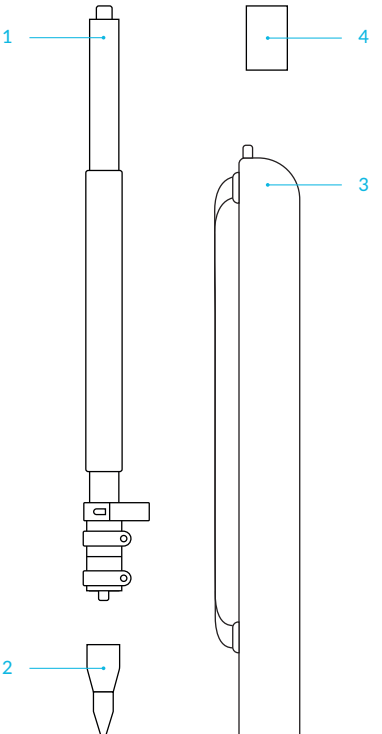
Version: 1.1
August 2021

Introduction

A telescopic aluminum survey pole has a lightweight and compact construction which makes it adaptable to land surveying operations.

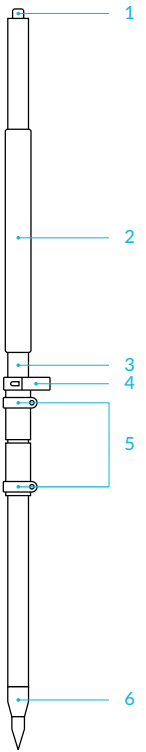
The three-section construction extends to 1.8 m and delivers reliable stability with the help of solid flip locks. The industry-standard 5/8" thread provides compatibility with the majority of geodesic equipment. The survey pole comes with a carrying bag.

Package Contents



1. Survey pole
2. Tip
3. Carrying bag
4. User guide

Overview



1. 5/8” thread
2. Foam handgrip
3. Place for a control device holder
4. Bubble level
5. Flip locks
6. Tip*

*packed separately, to be screwed on

Specification

Material	anodized aluminum
Weight	0.79 kg
Maximum height	1.8 m
Closed length	0.74 m
Thread	5/8”-11 UNC
Operating temperatures	-20 °C to +70 °C (-4 °F to +158 °F)
Maximum payload	10 kg

Safety

To guarantee the safe operation of the survey pole, follow the precautions below:

- Do not exceed the maximum payload capacity of the survey pole that is equal to 10 kg.
- Do not bend or stress the survey pole while extended—a bent survey pole will reduce the accuracy of the measurements.
- Do not expose the survey pole to direct sunlight for a long period of time.
- Observe safety precautions when using the survey pole in dangerous places.
- Keep the survey pole away from the power supply sources and do not use it during a thunderstorm, as it may conduct electricity.
- Be careful when handling the tip of the survey pole.
- Wacth your fingers when closing the flip locks.

Get Started

To ensure proper operation of the survey pole, perform the steps below:

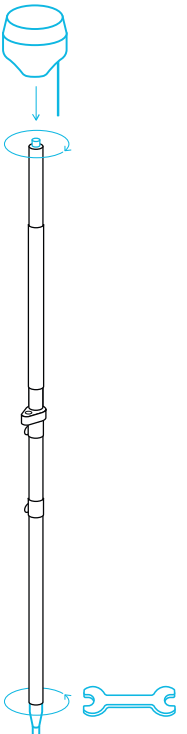
1. Take out the carrying bag with the survey pole and the tip from the package.
2. Take out the survey pole from the package.
3. Using a 24 mm spanner, screw the tip to the survey pole up to the stop.

   Note: Apply threadlocker to the thread to prevent loosening from vibration and shock.
4. Fully extend and close the flip locks.

   Note: Watch your fingers when closing the flip locks.

   Note: Make sure all the flip locks are closed.
5. Mount the receiver using the 5/8" thread on the survey pole and carefully tighten it by hand up to the stop.

Note: If it is necessary to replace the sharp end of the survey pole, use a 14 mm spanner.



Tips for Setting Up

Bubble Level Adjustment

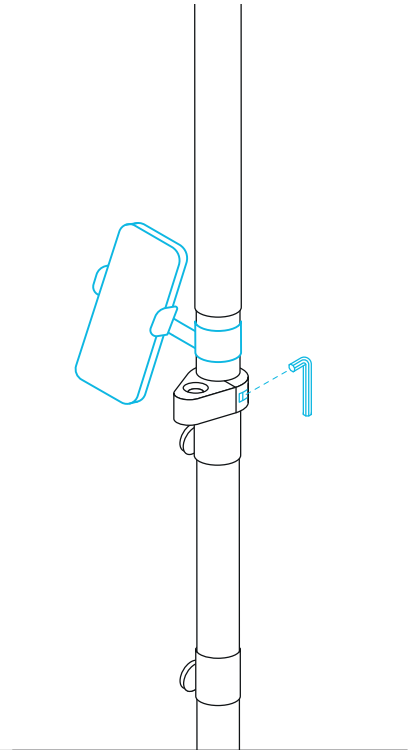
You can adjust the bubble level to the required angle using a 3 mm hex key. To make the adjustment, follow the steps below:

1. Loosen the fastening screws on the bubble level.
2. Adjust the bubble level to the required angle.
3. Tighten the fastening screws on the bubble level.

Control Device Holder Attachment

You can attach a control device holder to the special place on the survey pole. The arrangement depends on the holder type.

Note: If it is necessary, move the foam handgrip.



Storage

Store the survey pole in the carrying bag in a dry area protected from the weather.

Transportation

Transport the survey pole in the carrying bag to protect it from damage.

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