

# GPS Pathfinder® Pocket

*A compact GPS receiver that fits in your pocket*

The GPS Pathfinder® Pocket receiver is ideal for people who require a small, rugged, cost-effective GPS receiver when collecting, maintaining, or using quality data. The receiver has the flexibility to operate with numerous applications and controlling devices, which enables you to build a total field solution that best meets your needs and constraints. The use of a long-life, rechargeable battery that can be charged within the unit or easily removed for external charging provides an economical, as well as flexible, solution for power management.

The GPS Pathfinder Pocket receiver is ideally suited to organizations that require dedicated receivers to be distributed throughout a large staff. Its size and shape enables it to be easily carried as personal apparel, without it getting in the way of everyday tasks. Organizations that will find the GPS Pathfinder Pocket receiver particularly useful include:

- **Utility organizations:** especially for inspectors to help them fulfill standard work order management activities.
- **Urban municipalities:** to assist with asset management and repair.
- **Marketing and sales organizations:** to provide a geo-reference for questionnaire, delivery or reporting related activities, such as those carried out by census staff, courier services, realty, or mobile sales force staff.

The GPS Pathfinder Pocket receiver is also designed to be easily, yet powerfully, integrated into your own third party application to allow you to embed GPS into the application that best meets your needs.

## STANDARD FEATURES

- Compact design, small enough to fit in your pocket
- 2–5 meter accuracy after differential correction<sup>1</sup>
- All day internal rechargeable battery
- Rugged and water resistant design
- NMEA-0183 output (GGA, VTG, GLL, GSA, ZDA, GSV, RMC)
- RTCM SC-104 input
- TSIP communication



## STANDARD ACCESSORIES

- Compact antenna with 1.5 m cable
- Getting Started Guide
- Velcro patches for antenna mounting
- 5 V Universal Power Supply

## OPTIONAL ACCESSORIES

- TerraSync™ software
- GPS Pathfinder Controller software, available free to download from [www.trimble.com](http://www.trimble.com)
- GPS Pathfinder Tools SDK
- Specially designed cap with antenna sleeve
- Pouch
- Beacon-on-a-Belt (BoB™) receiver
- RTCM splitter cable
- Null modem cable
- Compact antenna with 5 m cable
- Backpack kit

## TECHNICAL SPECIFICATIONS

<b>Physical</b>	
Size	110 mm x 75 mm x 35 mm (4.33" x 2.95" x 1.38" high)
Weight	145 g (5 oz) with battery
<b>Power</b>	
	0.4 Watts (operating) 3.0 Watts (charging)
<b>Battery</b>	
	3.6 V Li-Ion rechargeable > 10 hours operation on single charge
<b>Certification</b>	
	FCC and CE mark approved
<b>Environmental</b>	
Operating Temperature	-10°C to +50°C (14°F to 122°F)
Storage Temperature	-10°C to +60°C (14°F to 140°F)
Humidity	99% non-condensing
Casing	Shock and water resistant

## ANTENNA

Compact 3.3 V active micropatch antenna with 1.5 m cable, magnetic mount, and strain relief at SMB connection.  
42 mm x 50.5 mm x 13.8 mm  
(1.65" x 1.99" x 0.55" high)



## PERFORMANCE SPECIFICATIONS

<b>General</b>	
	8-channel, L1/CA code continuous tracking
<b>Update Rate</b>	
	1 Hz
<b>Accuracy (RMS)<sup>1</sup></b>	
GPS Pathfinder Office Differential correction	2–5 meters <sup>1</sup>
RTCM Differential correction	2–5 meters <sup>1</sup>
Autonomous accuracy	10 meters <sup>1</sup>

<sup>1</sup> These precision values assume tracking of four satellites, a PDOP of < 6, SNR > 4, satellite elevation mask at 15 degrees, and reasonable multipath conditions. Ionospheric conditions, multipath signals or obstruction of the sky by buildings or heavy tree canopy may degrade precision by interfering with signal reception. Optimal accuracy is obtained by collecting data in an environment that is devoid of large reflective surfaces and also has a clear view of the sky.

## ORDERING INFORMATION

GPS Pathfinder Pocket receiver	44310-00-ENG
GPS Pathfinder Pocket with TerraSync and GPS Pathfinder Office	44310-50-ENG
GPS Pathfinder Pocket with TerraSync	44310-60-ENG
Baseball Cap	44309
Pouch	44311
3.6 V Li-Ion battery	43776
RTCM splitter cable	44199
Null modem cable	43377
Compact antenna with 5 m cable	40767-05
Backpack kit	44312-25



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