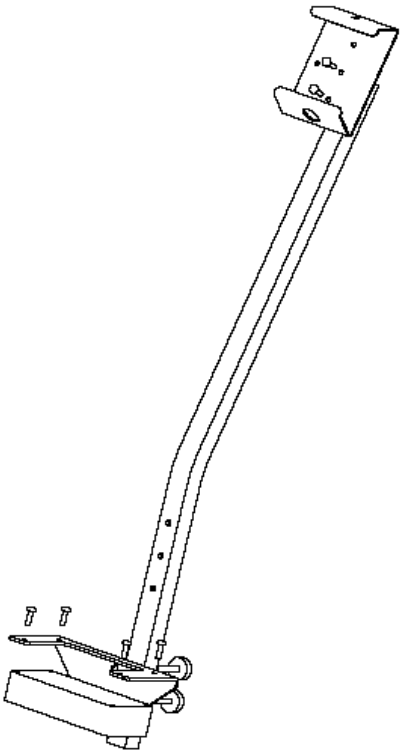
GPS Mounting Bracket

PRODUCT MANUAL

Item # 7250



Spectrum®
Technologies, Inc.

Contents

Thank you for purchasing the GPS Mounting Bracket. This manual will familiarize you with the use and operation of your new GPS Mounting Bracket. Please read this manual thoroughly before using your bracket. For customer support, or to place an order, call Spectrum Technologies, Inc. at (800)248-8873 or (815) 436-4440 between 7:30 am and 5:30 p.m. CST, FAX at (815)436-4460, or E-Mail at info@specmeters.com. www.specmeters.com

Spectrum Technologies, Inc
12360 S Industrial Dr . East
Plainfield, IL 60585

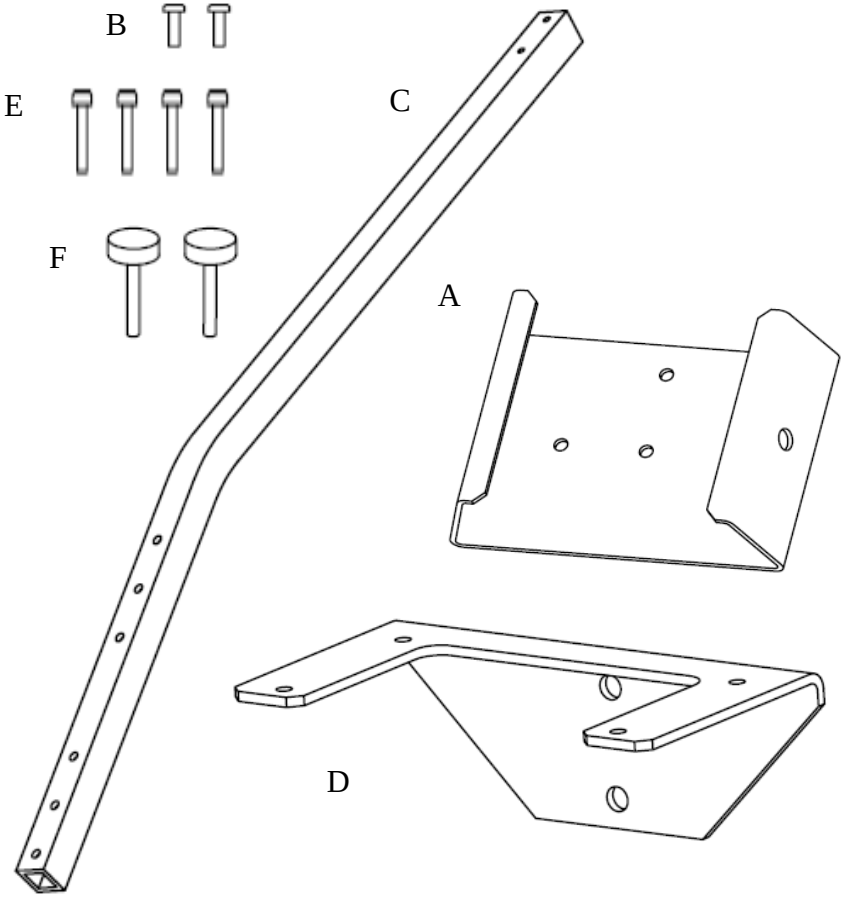
General Information

The Spectrum GPS Mounting Bracket is intended to allow users of the Field Scout TDR300 soil moisture meter and SC900 compaction meter the ability to connect a GPS receiver to the device and keep both hands free to insert the probe into the soil. The bracket is designed to accommodate several possible GPS receiver antennas. Although not a specific endorsement, in-house testing was done with the Garmin® GPS 72 handheld receiver. Therefore, the mounting hardware will be especially compatible with this device. Regardless which GPS receiver is being used, the shaft is attached to the Field Scout meter the same way.

List of Components

The components of the GPS mounting bracket are pictured below. Please check the package to ensure you have everything needed to assemble the bracket.

A: GPS Bracket
B: 2 x GPS Bracket screws (8mm)
C: Shaft
D: Meter Bracket
E: 4 x Meter Bracket screws (16mm)
F: 2 x Shaft screws
G:Velcro and cable ties (not pictured)



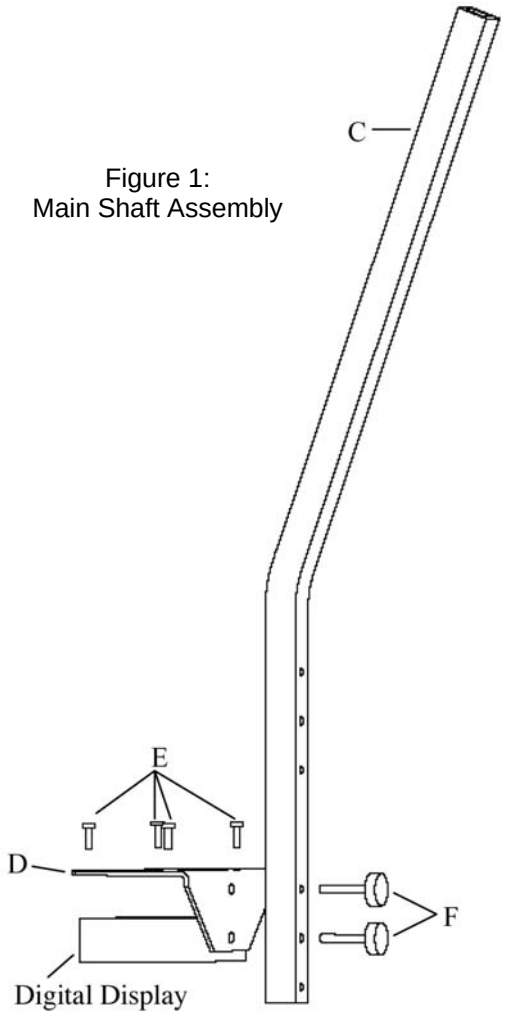
Shaft Assembly

Attaching the shaft to a Field Scout TDR300 or SC900

1. Remove the beveled screws from the face plate of the digital display. These screws should be saved for when the digital display will be used without the bracket.
2. Attach the Meter Bracket (**D**) to the top of the Field Scout face plate (Digital Display) with the Meter Bracket Screws (**E**). The vertical portion of the bracket should rest against the back side of the meter's digital display.
3. Attach the Shaft (**C**) to the Meter Bracket (**D**) with the Shaft Screws (**F**). There are 2 sets of holes on the shaft. This allows the height of the shaft to be adjusted to the eye level of the user.

Note that, on the shaft, there are 3 holes per set. To make the meter/ bracket assembly more compact and easier to transport, one Shaft Screw can be temporarily removed, the shaft rotated, and the screw reinserted.

Figure 1:
Main Shaft Assembly



GPS Bracket Assembly Options

I. Horizontal Orientation 1 (for Garmin® GPS 72)

1. Attach the GPS Bracket (**A**) with flanges oriented vertically and facing forward (Figure 2).
2. Attach the Garmin serial cable to the back of the GPS 72 receiver.
3. The flanges on the GPS Bracket (**A**) are spaced such that the grooves that run along the side of the GPS 72 fit perfectly. Slide the receiver into the GPS Bracket so that the serial cable hangs freely underneath.

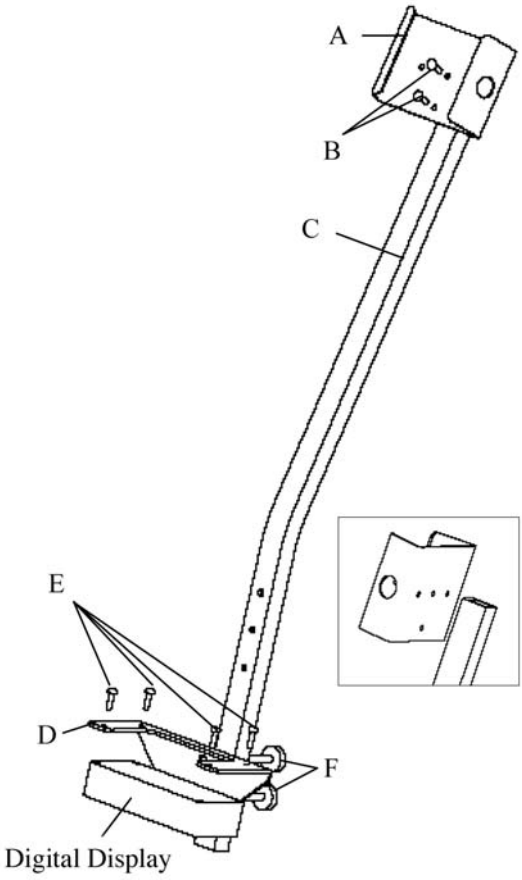


Figure 2: GPS Bracket installed in horizontal orientation (compatible with Garmin 72)

II. Horizontal Orientation 2 (for other handheld GPS units with visual display)

Attach the GPS Bracket (**A**) similar to Horizontal Orientation 1 but with flanges facing backward (fig. 3). This provides a flat face. Attach the GPS receiver to the plate. Velcro and cable ties are included in the package of screws to help facilitate this. Another option for attaching your GPS receiver would be with a holder from Ram Mounts Inc. (www.ram-mount.com). They market holders for a wide variety of GPS receivers from different manufacturers.

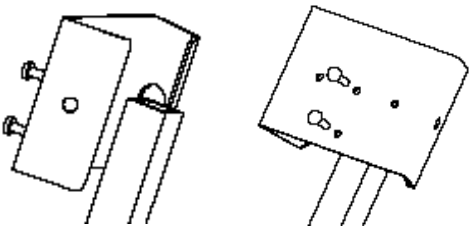


Figure 3: GPS Bracket installed in horizontal orientation that provides a flat face for attaching a GPS receiver other than a Garmin 72.

III. Vertical Orientation (for receivers with an external GPS antenna)

The GPS Bracket (**A**) can also be installed in a vertical orientation. This is ideal for GPS receivers that have an external GPS antenna. The shape of the bracket is such that, when the bracket is attached vertically, the flanges will be level with the ground. There are two different hole sizes (7mm and 16mm) available to accommodate different size antennas. Figure 4 shows the bracket installed with the smaller hole at the top.

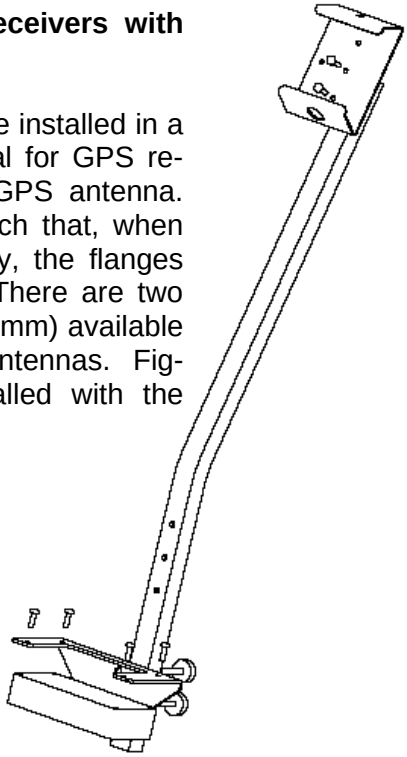


Figure 4: GPS Bracket installed in vertical orientation

Warranty

The GPS Mounting Bracket is warranted to be free from defects in materials and workmanship for a period of 1 year from the date of original purchase. During the warranty period, Spectrum will, at its option, either repair or replace products that prove to be defective. This warranty is void if the product has been damaged by customer error or negligence, or if there has been an unauthorized modification.

Returning Products to Spectrum

Before returning a failed unit, you must obtain a Returned Merchandise Authorization (RMA) number from Spectrum. You must ship the product(s), properly packaged against further damage, back to Spectrum (at your expense) with the RMA number marked clearly on the outside of the package. Spectrum is not responsible for any package that is returned without a valid RMA number or for the loss of the package by any shipping company.

Spectrum®
Technologies, Inc.

12360 S. Industrial Dr. E
Plainfield IL 60585
(800) 248-8873 or (815) 436-4440
Fax (815) 436-4460
E-Mail: Info@specmeters.com
www.specmeters.com