
Mettler Toledo

USB PS Scale Installation

Read Me First



METTLER TOLEDO

Table of Contents

Unpack the Scale.....	1
Place the scale on a level surface	2
Level the scale.....	2
Place platter on scale.....	3
Plug the Scale in.....	3
Scale to Communications Port connections.....	3
USB	4
RS232.....	4
Verify power-up sequence when GEOCAL™ is enabled	4
Instructions for UPS Worldship Customers.....	6
Troubleshooting	7
Technical Support	8
Warranty Returns	8
Replacement Components.....	8

Installation Instructions

MT Shipping Scale

Welcome and thank you for purchasing your Mettler-Toledo Shipping Scale. Please read and follow these simple instructions to get the maximum benefit and satisfaction from your new scale.

Please follow the easy setup procedures in this manual to setup your new Mettler-Toledo Shipping Scale.

Unpack the Scale

Remove the scale from the box. Set aside all packing materials. Inspect the contents. Each box contains the following.

- Shipping Scale with Display
- Wall Mount Power Supply
- USB Cable
- RS232 Adapter (DB9) Cable
- Installation Instructions



Wall Mount Power Supply

Shipping Scale with Display



USB Cable



RS232 Adapter Cable

Place the scale on a level surface.

Place the scale near a power outlet. Ensure the scale is not touching objects that may affect the weight reading.

Level the scale.

Level the scale by turning the scale feet until the leveling bubble is centered and the scale does not wobble. The leveling bubble is located underneath the platter. See photo.



Leveling
Feet 4 per

Leveling
bubble



Incorrect
Bubble is not
Within circle



Correct
Bubble is
Within circle

Place platter on scale.

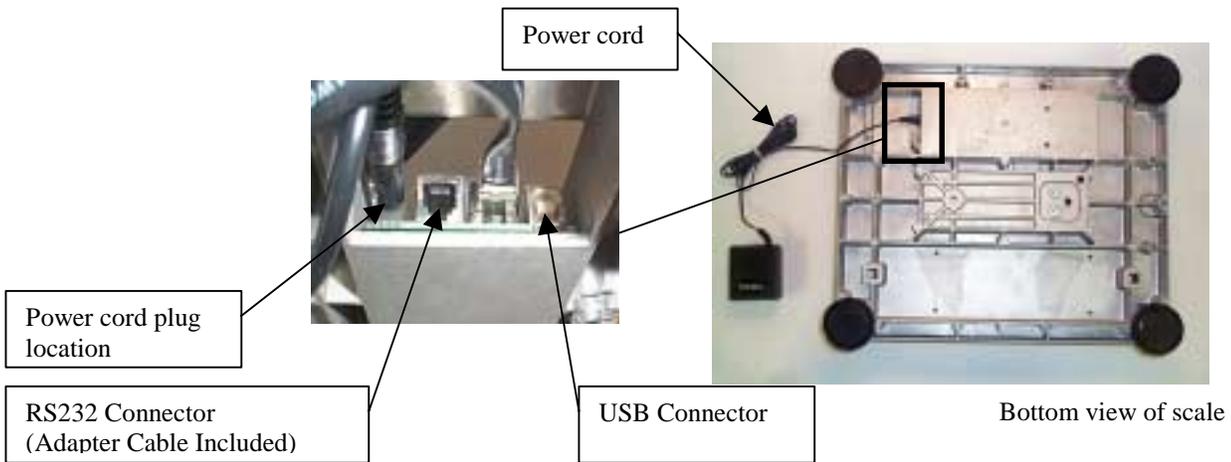
Gently place the platter on the scale. If your scale comes with a stainless steel (metal) platter, you may wish to remove the plastic protective skin.



Plastic Platter shown

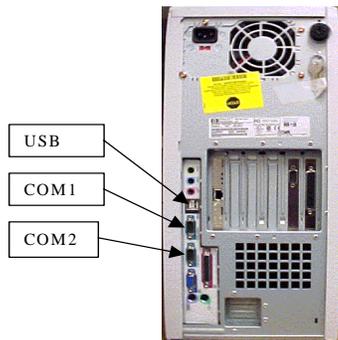
Plug the Scale in.

Tilt the scale on its side and plug the power connector into the bottom of the scale. Plug the power supply or power cord into a power outlet. Note: If using the USB connection, it is not necessary to plug the scale into a power outlet. The scale will be powered through the USB connection.



Scale to PC Communications Port connections

If you are using a PC-Based manifest shipping systems, plug the scale into an open communications port on your computer. The ports should be labeled USB, COM1, or COM2. Use the supplied USB or RS232 adapter cable to make the connection. This picture depicts the COM ports on a typical PC.



USB

USB scale connection is very automatic. When you connect the scale to your PC's USB port, the PC will automatically sense the scale. Different versions of Microsoft's operating systems will vary the set-up slightly.

*** When using USB the power adapter is not necessary. The scale will be powered through the USB cable.***

Windows 98: The set-up for the USB drivers for Windows 98 is fairly automatic but requires some interaction with dialog boxes to complete.

1. A dialog box stating "New Hardware Found" will appear. Immediately, the PC will begin to "Build Driver Information Database".
2. Once this is complete, a "Add New Hardware" Wizard will appear. Select the bottom choice of "Display a list of all the drivers in a specific location, so you can select the driver you want".
3. The "USB Human Interface Device" will appear as the default driver.
4. Click on "OK" and then "Finish"

Windows 2000 / XP: This is more automatic. There are no choices to make. The PC will automatically recognize the scale and install the appropriate driver. With no human interaction required

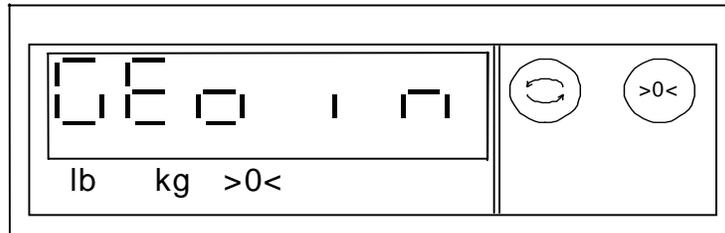
RS232

NOTE: Make sure the power to your computer is switch off before you change ports. If you have plugged your scale into the incorrect port, you must reboot your computer after changing ports.

NOTE: DO NOT substitute your RS232 serial cable with an ordinary RS232 cable. If you require a longer cable for your application, call our MT Express technical support at **1-800-786-0812** to purchase an additional cable.

Verify power-up sequence when GEOCAL™ is enabled.

When you first plug in the scale, the display shows a brief power-up sequence. This sequence only appears ONCE, so please make sure you do it **carefully**. Once it is done, it displays a prompt for the GEOCAL™ location code.

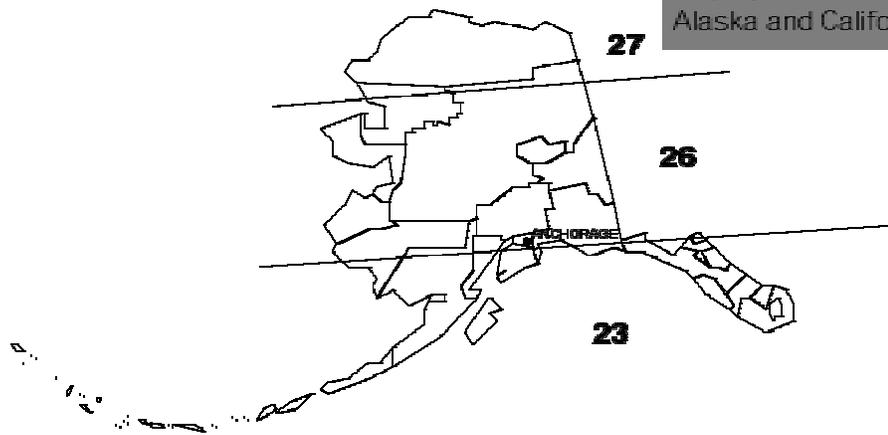


The GEOCAL™ feature allows the scale calibration to be adjusted for gravitational variations in your area.

Refer to the table and chart to determine the geographical two-digit code for your location. Scroll through the list by pressing the  key. Stop at your code and press the  key twice. The word done will be displayed briefly and the scale will restart itself.

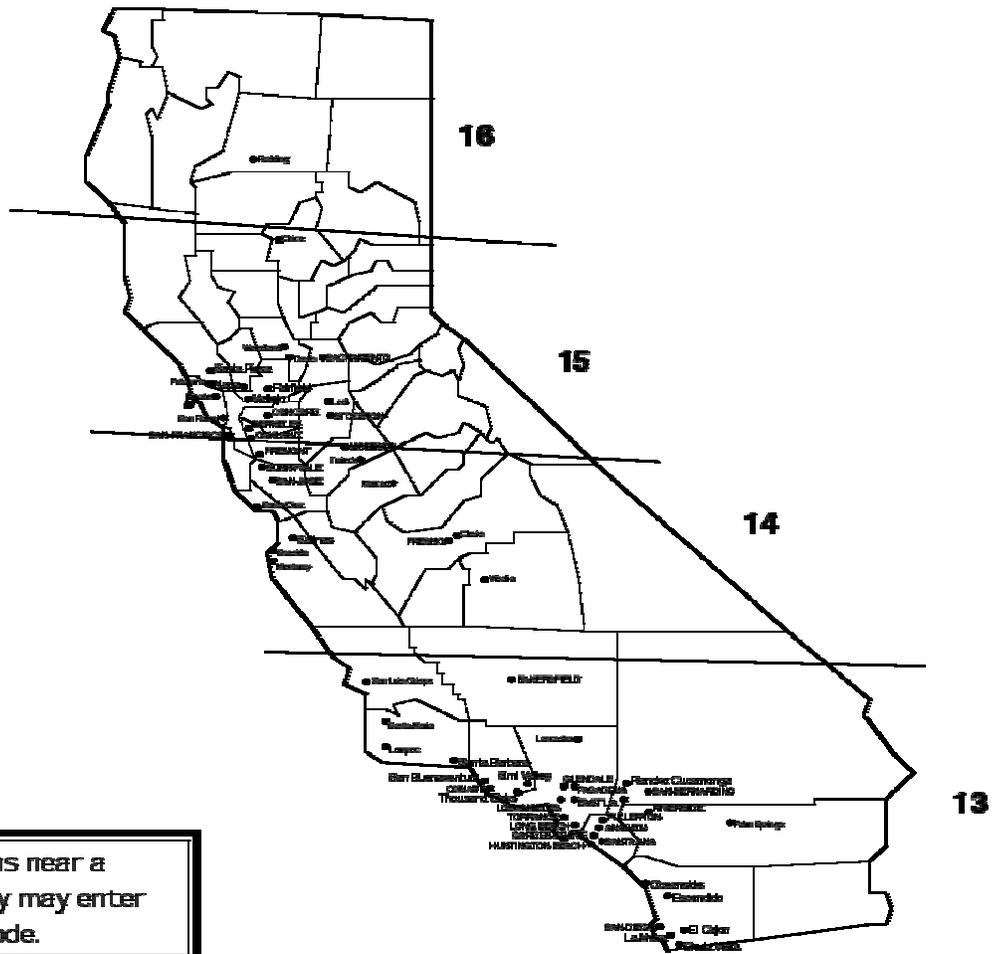
GEOCAL™ Location Codes						
State	Code	State	Code	State	Code	
Alabama		Kansas	14	North Dakota	18	
Birmingham & North	13	Kentucky	14	Ohio		
South of Birmingham	12	Louisiana	12		Akron & North	16
Alaska	See map	Maine	18	South of Akron	15	
Arizona		Maryland	15	Oklahoma	13	
Phoenix & North	12	Massachusetts	17	Oregon		
South of Phoenix	11	Michigan			Salem & North	18
Arkansas	13	Northwest of Lake Michigan	18		Between Oakridge & Salem	17
California	See map	Southeast of Lake Michigan	17	South of Oakridge	16	
Colorado		Minnesota	18	Pennsylvania	16	
Denver & North	13	Mississippi		Rhode Island	16	
South of Denver	12	Kosciusko & North	13	South Carolina	13	
Connecticut	16	South of Kosciusko	12	South Dakota	17	
Delaware	15	Missouri		Tennessee	13	
Florida		North of Springfield	15	Texas		
West Palm Beach & North	11	Springfield & South	14		Northeast of Colorado River	12
South of West Palm Beach	10	Montana			Southwest of Colorado River	11
Georgia	12	Helena & North	18	Utah	13	
Hawaii	9	South of Helena	17	Vermont	17	
Idaho		Nebraska	15	Virginia	14	
North of Salmon River Mtns	17	Nevada	13	Washington, DC	15	
South of Salmon River Mtns	16	New Hampshire	17	Washington State	18	
Illinois		New Jersey	16	West Virginia	15	
Bloomington & North	16	New Mexico	11	Wisconsin		
South of Bloomington	15	New York			Green Bay & North	18
Indiana		Albany & North	17	South of Green Bay	17	
North of Indianapolis	16	South of Albany	16	Wyoming		
Indianapolis & South	15	North Carolina			North of Casper	15
Iowa		Raleigh & North	14		Casper & South	14
North of Des Moines	17	South of Raleigh	13			
Des Moines & South	16					

Alaska



Maps provided for residents of Alaska and California only.

California



Locations near a boundary may enter either code.

Troubleshooting

1) I don't see a weight on the scale display.

The scale may not be plugged into a wall outlet. The scale needs power and must be plugged into a wall outlet. The scale comes with a wall mount power supply. One end plugs into a wall outlet. The other end plugs into the scale circuit board. The power receptacle on the scale can be found underneath the scale next to the display and serial connector. Once the scale is powered, it steps through its normal start-up sequence and will soon show the weight display. Make sure there is nothing on the scale or touching the top when it first powers-up. If you have verified that the outlet is fine, the scale is plugged in, and you still have nothing on the display, then contact our MT Express technical support department 1-800-786-0812.

2) The scale is showing funny brackets on the display.

This generally means that the scale was originally powered up with some weight (maybe a package) on it. Simply un-plug the scale from the wall, make sure there is no weight on the scale or that the scale is touching anything, and plug the scale back in. The scale will go through its usual start-up sequence, and the problem should be solved.

Technical Support

For **technical support**, contact our MT Express technical support department at **1-800-786-0812**.

Warranty Returns

If you have an out of box failure or should have to return your scale for any reason, contact us at www.mt.upsscales.com . If you prefer, you may contact us by calling our MT Express technical support department at **1-800-786-0812**.

Replacement Components

For purchasing replacement components please log onto our website located at www.mt.upsscales.com. You can call our MT Express technical support department at **1-800-786-0812** for ordering replacements.

Replacement Components	Mettler Toledo Part Number
Base Mount Display	02701000000
Wall Mount Display with “Y” cable	02705100000
Dual Wall Mount Display	02704100000
9’ RS232 Cable	09000322000
Power Supply – UPS Only	*14862000A
Power Supply – Wall Mount	*13515600A
ABS Plastic Platter for PS60/PS30	*14819500D
Ball Top Platter for PS60 Only	09060161000
Stainless Steel Platter for PS60	*15083400A

* Indicates the part number may have a revision level.

METTLER TOLEDO
1900 Polaris Parkway
Columbus, Ohio 43240-2020
METTLER TOLEDO® is a registered trademark of Mettler-Toledo, Inc.
©2003 Mettler-Toledo, Inc.
Printed in USA



16846100A