WB(X)
Washdown Base
Technical Manual and
User's Guide

METTLER TOLEDO is recognized around the world for manufacturing and marketing high quality scales and weighing systems. With roots tracing back to 1901, the company takes pride in its long established record of employing innovation, technology, and a close working relationship with its customers to meet the diverse needs of the global marketplace. METTLER TOLEDO's world headquarters is in Greifensee, Switzerland.

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E-mail Address:		Contact Name:		
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How well did this product meet your	Comments:			
expectations in its intended use?				
Met and exceeded my needs				
Met all needs				
Met most needs				
Met some needs				
Did not meet my needs				
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PROBLEM: UNACCEPTABLE DELIVERY: Shipped late Shipped early Shipped to incorrect location Other (Please Specify) Comments/Questions: OUT OF BOX ERROR Wrong item Wrong part Equipment		Wrong documentation Missing documentation uipment Incorrectly calibrated		
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Retail Light Industrial Heavy Industrial Systems RESPONSE: Include Root Cause Analysis and Corrective Action Taken.				

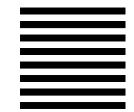
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INTRODUCTION

Information regarding METTLER TOLEDO technical training may be obtained by contacting:

METTLER TOLEDO

1900 Polaris Parkway Columbus, Ohio 43240 Phone: (US and Canada) 614-438-4511 Phone: (All Others) 614-438-4888

FCC Notice

This device complies with Part 15 of the FCC Rules and the Radio Interference Requirements of the Canadian Department of Communications. Operation is subject to the following conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his or her own expense.

METTLER TOLEDO RESERVES THE RIGHT TO MAKE REFINEMENTS OR CHANGES WITHOUT NOTICE.

PRECAUTIONS

READ this manual BEFORE operating or servicing this equipment.

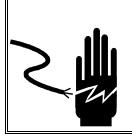
FOLLOW these instructions carefully.

SAVE this manual for future reference.

DO NOT allow untrained personnel to operate, clean, inspect, maintain, service, or tamper with this equipment.

ALWAYS DISCONNECT this equipment from the power source before cleaning or performing maintenance.

CALL METTLER TOLEDO for parts, information, and service.



AWARNING

ONLY PERMIT QUALIFIED PERSONNEL TO SERVICE THIS EQUIPMENT. EXERCISE CARE WHEN MAKING CHECKS, TESTS AND ADJUSTMENTS THAT MUST BE MADE WITH POWER ON. FAILING TO OBSERVE THESE PRECAUTIONS CAN RESULT IN BODILY HARM.



WARNING

DISCONNECT ALL POWER TO THIS UNIT BEFORE SERVICING.

ACAUTION

BEFORE CONNECTING/DISCONNECTING ANY INTERNAL ELECTRONIC COMPONENTS OR INTERCONNECTING WIRING BETWEEN ELECTRONIC EQUIPMENT ALWAYS REMOVE POWER AND WAIT AT LEAST THIRTY (30) SECONDS BEFORE ANY CONNECTIONS OR DISCONNECTIONS ARE MADE. FAILURE TO OBSERVE THESE PRECAUTIONS COULD RESULT IN DAMAGE TO OR DESTRUCTION OF THE EQUIPMENT OR BODILY HARM.



OBSERVE PRECAUTIONS FOR HANDLING ELECTROSTATIC SENSITIVE DEVICES.



WARNING!

IF YOU PLAN TO USE A WB BASE IN A HAZARDOUS ENVIRONMENT, THE FACTORY NUMBER MUST HAVE AN "X" IMMEDIATELY FOLLOWING THE CAPACITY. ALL OTHER MODELS ARE NOT APPROVED FOR HAZARDOUS ENVIRONMENTS. THE WB06X, WB15X, WB30X, WB60X, WB75X, AND WB150X ARE APPROVED FOR USE IN HAZARDOUS ENVIRONMENTS ONLY WHEN USED IN CONJUNCTION WITH AND INSTALLED PER THE APPROPRIATE INSTALLATION (CONTROL) DRAWING(S). ANY MODIFICATION TO THESE DRAWINGS WILL VOID AGENCY APPROVAL AND COULD PRODUCE A HAZARDOUS CONDITION.

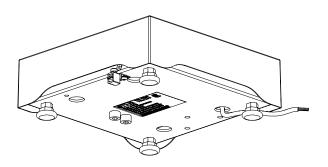
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Introduction

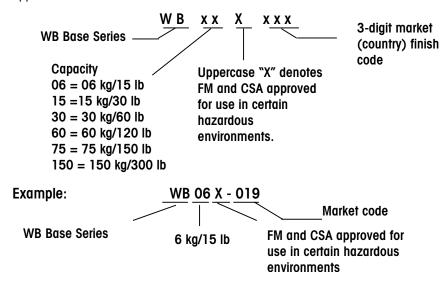
The WB washdown base is a 100% stainless steel scale base designed for industrial and commercial applications in light washdown environments. Models are also available for use in hazardous areas. The WB scale base can be connected with a variety of METTLER TOLEDO terminals, providing maximum flexibility for customizing a system.

This manual provides information for installing, adjusting, and trouble-shooting the WB scale base. Additional information may be found in the manual(s) for the terminals, which you are connecting to the WB scale base.



Model Identification

The WB scale base is available in six capacities and three sizes. Refer to the example and chart that follow to identify the WB base model with which you are working. Refer to Chapter 5 for additional information on hazardous area approvals.



Specifications

	WB06(x)	WB15(x)	WB30(x)	WB60(x)	WB7	5(x)	WB150(x)
Maximum Capacity	6 kg	15 kg	30 kg	60 kg	75	kg	150 kg
	15 lb	30 lb	60 lb	120 lb	150) lb	300 lb
Readability							
Non-Legal-for-Trade	0.0005 kg	0.001 kg	0.002 kg	0.005 kg	0.00		0.01 kg
at Maximum	0.001 lb	0.002 lb	0.005 lb	0.01 lb	0.01	l lb	0.02 lb
Capacity							
Recommended	5 x 0.001 kg	10 x 0.002 kg	25 x 0.005 kg	50 x 0.01 kg	50 x 0.	01 kg	100 x 0.02 kg
Legal-for-Trade Build (NTEP)	10 x 0.002 lb	25 x 0.005 lb	50 x 0.01 lb	100x 0.02 lb	100 x C	_	250 x 0.05 lb
Maximum	2 kg	5 kg	7 kg	10 kg	20	kg	35 kg
Back Weight **	5 lb	10 lb	15 lb	25 lb	45		75 lb
Resolution		000 divisions Legal-	for-Trade / Up to 1	5,000 divisions	s non-Le	gal-for-	Trade
Load Cell Capacity	11 kg	22 kg	45 kg	100 kg			200 kg
Dimensions	230 x 230 x 80 mm	305	5 x 305 x 80 mm		45	5 x 45	5 x 105 mm
wxdxh	9 x 9 x 3 in		12 x 12 x 3 in			18 x 1	18 x 4 in
Net Weight	5 kg / 12 lb		9 kg / 20 lb			24 kg	g / 52 lb
Shipping Weight	7 kg / 16 lb		11 kg / 24 lb			27 kg	g / 59 lb
Load Cell Cable		2 m / 6 f	t			3 m	/ 10 ft
Load Cell Type	Analo	og 350 ohm 2 mV/V	load cell ("X" ver	sions are FM an	id CSA aj	pproved	1)
Construction		Stainless	steel frame / stain	less steel platfor	m		
Protection		NEMA 4 / IP65					
Operating			0°C to 40°C (14°F				
Temperature		10 to 95% humidity, non-condensing					
Approvals			lass III, 5000d, C				
		Industry Canada, 5000d, AM5259					

^{*} Back weight based on recommended Legal-for-Trade build

Terminal/Scale Compatibility

The WB scale base can be used with the following METTLER TOLEDO terminals and counting scales:

- HAWK[®] Terminal
- ID7 Terminal
- JAGUAR[®]/JAGXTREME™ Terminal (with analog option)
- LYNX® Terminal
- LYNXBATCH® Batching Controller
- PANTHER[®] (Analog) Terminal
 PANTHER[®] PLUS (Analog) Terminal
- PUMA® Terminal (Refer to Chapter 5, Approval Information)
- SC Counting Scale (with analog second scale kit)
- VIPER Counting Scale (with analog second scale kit)
- 8582 Counting Scale (with analog second scale kit)

NOTES

Installation

Preparation

The WB base is a scale base and does not include a terminal. Accessories are shipped separately. Verify that the required accessories are available before unpacking and installing the base.

The WB base should remain in its shipping carton until it reaches the location where it is to be installed for maximum protection during transit.

Inspection and Setup

Regardless of the WB base with which you will be working, the following general instructions apply in terms of unpacking and assembling the scale base:

- If the shipping container showed signs of damage at delivery, file a freight claim with the carrier if necessary.
- If you have not already done so, remove the scale base, along with its protective covering, from the shipping carton.
- Remove the protective covering, using care not to drop the base. Store the
 packaging and carton for future use should you need to transport the base.
- Inspect the WB base for damage. Never install the base if damage is apparent.
- Make sure all components are included. The WB scale base should contain:
 - Weighing platform with stainless steel platform and level bubble.
 - WB Base Technical Manual and User's Guide
 - Leveling foot wrench

Contact your authorized METTLER TOLEDO representative if the WB base is damaged or any parts are missing.





IF YOU PLAN TO USE A WB BASE IN A HAZARDOUS ENVIRONMENT, THE FACTORY NUMBER MUST HAVE AN "X" IMMEDIATELY FOLLOWING THE CAPACITY. ALL OTHER MODELS ARE NOT APPROVED FOR HAZARDOUS ENVIRONMENTS. THE WB06X, WB15X, WB30X, WB60X, WB75X, AND WB150X ARE APPROVED FOR USE IN HAZARDOUS ENVIRONMENTS ONLY WHEN USED IN CONJUNCTION WITH AND INSTALLED PER THE APPROPRIATE INSTALLATION (CONTROL) DRAWING(S). ANY MODIFICATION TO THESE DRAWINGS WILL VOID AGENCY APPROVAL AND COULD PRODUCE A HAZARDOUS CONDITION.

Selecting the Location

For optimum weighing performance and safety, please keep the following in mind when selecting a location for the WB scale base:



Never operate the WB base in a hazardous environment unless using one specifically approved for use in hazardous environments. A WB scale base approved for use in certain hazardous environments will have a letter "X" in the factory number. Refer to Chapter 5.



Maintain a temperature range of -10° C to 40° C (-18° F to 104° F). Avoid areas where the temperature is rapidly changing.



Select a firm, level, and vibration-free surface on which to place the WB scale base.

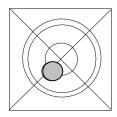


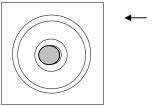
Avoid excessive drafts, such as from fans and open windows.

Level the Base

Once the WB scale base is in place, level it by performing these steps:

- Turn the leveling feet of the weighing platform until the scale is horizontal. The
 leveling feet should each touch the surface on which the WB scale base is
 placed, and the WB scale base should not rock or teeter.
- Check to make sure the level bubble (located on the top of the base underneath the platform) is centered as shown here.







- Use the wrench included with the WB base to "jam" the lock nut on each foot against the bottom of the base to keep the foot from moving.
- You must re-level the WB base after every location change.

Wiring Connections

To connect the WB base to a terminal, please refer to the technical manual provided with the specific terminal with which you are working, as well as the wiring charts below for the METTLER TOLEDO PUMA terminal, JAGUAR/JAGXTREME terminal, LYNX terminal, PANTHER (analog) terminal, LYNXBATCH® batching controller, PANTHER PLUS (analog) terminal, HAWK terminal, ID7 terminal, 8582 counting scale, VIPER counting scale, and SC Counting Scale (with analog second scale kit).

GNAL DESCRIPTION
Signal Output
ignal Output
Excitation Input
Sense Output
ense Output
xcitation Input
able Shield (Tied to chassis)

Calibration

Refer to the calibration procedure outlined in the technical manual for the terminal you are using.

To guarantee reliable service from the WB base, a regular calibration schedule should be implemented. In addition, the base should always be calibrated after repairs of any type are performed. Contact your authorized METTLER TOLEDO representative for more information.

NOTES

Operating Instructions

The operating instructions for the WB base depend on the terminal with which it is used, as well as on the specific application for which it is being used. Refer to the operating instructions or technical manual for the terminal being used with the WB base.

The following general instructions should be followed for all applications and terminals to ensure the best weighing performance for the scale.

Location.

- The WB base should be placed on a solid surface that is free of excessive vibration and in an area free of drafts and sudden temperature changes.
- The area should be clear of cables, boxes, or anything else that could come in contact with the scale platform.

Accuracy.

For optimum weighing performance, place objects to be weighed towards the center of the platform.

Calibration.

Contact your authorized METTLER TOLEDO representative to arrange scheduled calibration visits by factory-trained service technicians. You may also purchase certified weights from METTLER TOLEDO to perform your own calibration checks.

Shock Loads.

The WB base is designed to withstand overload conditions up to 150% capacity without affecting the scale's weighing performance. However, comparable weights dropped from a distance on to the weighing platform may cause forces far higher than the acceptable overload capacity and damage the WB scale base's internal components or affect its accuracy. Avoid dropping excessive weight onto the platform.

Large Temperature Fluctuations.

When connected to a METTLER TOLEDO terminal, the WB base automatically compensates for normal changes in ambient temperature. If the scale base is used in areas where large or fast temperature changes occur, weighing accuracy may be affected. In these situations, wait approximately 30 minutes to allow the WB base to adjust to temperature changes before weighing.

METTLER TOLEDO WB Analog Scale Base Technical Manual and User's Guide

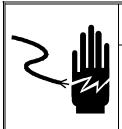
Weighing Practices.

- Avoid sliding heavy items across the platform to help prevent scuffing.
- Always use proper lifting devices and practices for loading and unloading the scale. Avoid moving heavy items to the edge of the platform to get a better grip for lifting. Edge loading can tip the platform and lead to personal injury.
- When using the Tare function to remove a container's weight from the total weight on the scale, tare each container separately. Variations in materials thickness and other factors can affect the containers' weight.

Service and Maintenance

Cleaning and Maintenance

The WB base is designed for use in a light washdown environment. The scale may be washed down with water or foaming agents. Do not submerge the base in water or cleaning agents. Do not clean it with high pressure, hose-directed water.



WARNING

ONLY PERMIT QUALIFIED PERSONNEL TO SERVICE THIS EQUIPMENT. EXERCISE CARE WHEN MAKING CHECKS, TESTS AND ADJUSTMENTS THAT MUST BE MADE WITH POWER ON. FAILING TO OBSERVE THESE PRECAUTIONS CAN RESULT IN BODILY HARM.

Maintenance Reminders

Calibration tests should be performed any time major mechanical components are replaced or adjusted. The WB base must be re-leveled after any move.

Load Cell Replacement

- Replace the rubber load cell boot if damaged.
- Note the location of spacers and adapter block during removal of the load cell. See figure 4-1.

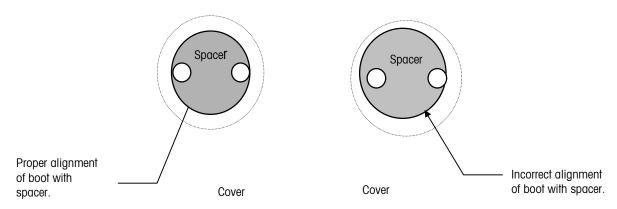


Figure 4-1

METTLER TOLEDO WB Analog Scale Base Technical Manual and User's Guide

- Torque the load cell mounting bolts to 150 in-lbs (16.9 N-m) for WB06, WB15, WB30, and WB60 or 125 in-lb (14.1 N-m) for WB75 and WB150.
- Set the overload stops per the following table:

Model	Inside (2)	Outside (4)	Load Cell Bolt Torque
WB06	0.016 in.	0.065 in.	
	(0.406 mm)	(1.651 mm)	
WB15	0.023 in.	0.058 in.	
	(0.584 mm)	(1.473 mm)	
WB30	0.038 in.	0.108 in.	150 in-lb
	(0.965 mm)	(2.743 mm)	16.9 N-m
WB60	0.064 in.	0.181 in.	
	(1.625 mm)	(4.597 mm)	
WB75	0.025 in	0.115 in	125 in-lb
	(0.635 mm)	(2.921 mm)	14.1 N-m
WB150	0.050 in	0.210 in	
	(1.27 mm)	(5.33 mm)	

Overload stops should be set to a tolerance of \pm 0.003 in (0.08 mm)

Approval Information

Weights and Measures Approval

The WB scale base is in compliance with OIML Class III standards and is designed to meet or exceed the National Institute of Standards (NIST) Handbook 44 requirements for 5000d. A certificate of conformance 98-109 was issued under the National Type Evaluation Program (NTEP) of the National Conference on Weights and Measure.

The WB scale base meets and/or exceeds the Canadian Weights and Measures Laboratories (in Canada) requirements for Class III, 5000d rating. Approval AM-5259 was issued by statutory authority of the Minister of Industry, Science and Technology of Canada.

Canadian Standards Association (CSA) Approval



A WARNING!

THE WB-X BASES ARE APPROVED FOR USE IN HAZARDOUS ENVIRONMENTS <u>ONLY</u> WHEN USED IN CONJUNCTION WITH AND INSTALLED PER THE APPROPRIATE INSTALLATION (CONTROL) DRAWING(S). REFER TO THE TECHNICAL MANUAL SUPPLIED WITH THE MATING TERMINAL FOR DETAILS. DO NOT SUBSTITUTE OR MODIFY ANY ITEMS ON THESE CONTROL DRAWINGS. ANY MODIFICATION WILL VOID AGENCY APPROVAL AND COULD PRODUCE A HAZARDOUS CONDITION.

The models WB06X-019, WB15X-019, WB30X-019, WB60X-019, WB75X-019 and WB150X-019 bases have been approved by CSA and are listed on METTLER TOLEDO document 156305R for use in Class I Division 1 and 2 Groups A, B, C, and D Classified locations. This model number will appear as the factory number on the data plate. If the factory number does not have an "X" immediately following the two-digit capacity, contact your authorized METTLER TOLEDO representative.

The WB-X bases are only approved for use with specific instruments that have been approved by CSA. Refer to the technical manual provided with the instrument for the Control Drawing containing installation and wiring details.

A safety ground must be installed per Canadian Electrical Code 22.1 Appendix F3.2. The safety ground lug extends from the side of the base as shown in the following diagram.

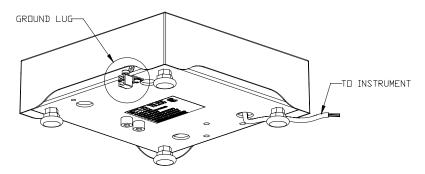


Figure 5-1

Factory Mutual Approval (FM)



WARNING!

THE WB-X BASES ARE APPROVED FOR USE IN HAZARDOUS ENVIRONMENTS ONLY WHEN USED IN CONJUNCTION WITH AND INSTALLED PER THE APPROPRIATE INSTALLATION (CONTROL) DRAWING(S). REFER TO THE TECHNICAL MANUAL SUPPLIED WITH THE MATING TERMINAL FOR DETAILS. DO NOT SUBSTITUTE OR MODIFY ANY ITEMS ON THESE CONTROL DRAWINGS. ANY MODIFICATION WILL VOID AGENCY APPROVAL AND COULD PRODUCE A HAZARDOUS CONDITION.

The load cells used in models WB06X, WB15X, WB30X, WB60X, WB75X, and WB150X have been submitted to Factory Mutual and have been issued a Certificate of Compliance as:

IS/I,II,III/1/ABCDEFG/T4 Ta=40°C - 160180R; Entity;

Vmax=25V, Imax=600mA, Pi=1.25W, Ci=0, Li=0;

 $NI/I/2/ABCD/T6 Ta=40^{\circ}C$;

S/II,III/2/FG/T6 Ta=40°C

This indicates an intrinsically safe apparatus for Class I, II and III, Division 1, Group A, B, C, D, E, F and G hazardous (classified) locations in accordance with entity requirements when installed per Control Drawing 160180R; Nonincendive for Class I, Division 2, Groups A, B, C,

D; suitable for Class II, III, Division 2, Group F and G hazardous (classified) locations.

A safety ground lug is provided on the bottom of the base in order to properly ground the WB..X base when it is used in a hazardous location. Refer to Figure 5-1.

Identification

Confirm that there is a blue label on the load cell cable near the end of the cable indicating "Intrinsic Safe Wiring". In addition, there should be a label on the subplatter or the load cell cable of the WB..X base, indicating that it has been approved for use in hazardous areas. The label will look like one of the examples below.





If the WB..X base does not include the approval information as shown in one of the labels above, the base cannot be installed in a hazardous area.

System and Entity Approval

In the past, load cells had been considered a simple apparatus and were submitted with other METTLER TOLEDO devices to obtain a "system" or "loop" approval. METTLER TOLEDO Control Drawing 122502 lists all these load cells and also refers to specific Control Drawings to reference when connecting to other METTLER TOLEDO approved devices. The load cells of the WB..X are included in this listing and the WB..X may be used in these applications. The 122502 Control Drawing is available from METTLER TOLEDO by request.

The most recent approval of the WB..X base provides a separate approval for the load cell (using Entity Values) and adds the ability to connect the WB..X base with other non METTLER TOLEDO approved devices. This approval also includes a certification for use in Division 2 areas with properly approved devices. When Entity Values are used in a Division 2 application, they are referred to as Field Circuit Characteristics. Refer to the 160180R Control Drawing at the end of this chapter for details.

When applying a model WB..X base in a hazardous area using Entity Values or Field Circuit Characteristics, METTLER TOLEDO Control Drawing 160180R must be followed without exception. When using the "system" approval with another METTLER TOLEDO product, Control Drawing 122502 must be followed along with the Control Drawing of the other approved product without exception.





WARNING

METTLER TOLEDO ASSUMES NO RESPONSIBILITY FOR CORRECT INSTALLATION OF THIS EQUIPMENT WITHIN A HAZARDOUS AREA. THE INSTALLER MUST BE FAMILIAR WITH ALL WIRING AND INSTALLATION REQUIREMENTS.





WARNING

IN ORDER TO USE THE WB..X BASE IN AN AREA CLASSIFIED AS CLASS I, II OR III, DIVISION 1 OR 2, GROUPS A, B, C, D, F OR G, METTLER TOLEDO CONTROL DRAWING 122502 OR 160180R MUST BE FOLLOWED WITHOUT EXCEPTION. FAILURE TO DO SO COULD RESULT IN BODILY HARM AND/OR PROPERTY DAMAGE.

Temperature Rating

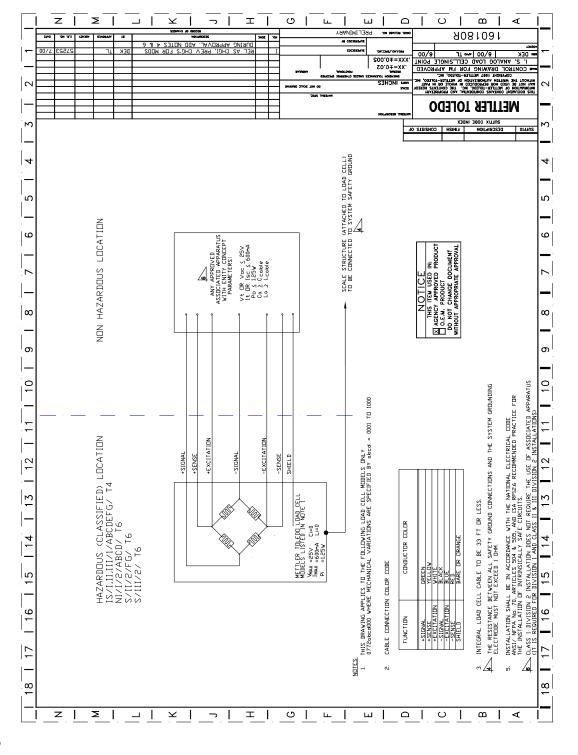
It is very important that the temperature rating of the load cell be appropriate for the environment in which it will be used. The load cells used in the WB..X base have been approved by FM for a temperature rating of T4 (intrinsically safe) and T6 (nonincendive). This indicates that the maximum surface temperature of the load cell under fault conditions will not exceed 135°C (275°F) and under the most unfavorable normal operating conditions will not exceed 85°C (185°F). The Auto Ignition Temperature (AIT) of the hazardous product must be higher than this in order to be safe. If the AIT of the hazardous product is lower than the temperature rating of the load cell (based upon the application), the WB..X base **MUST NOT BE USED** in that environment.





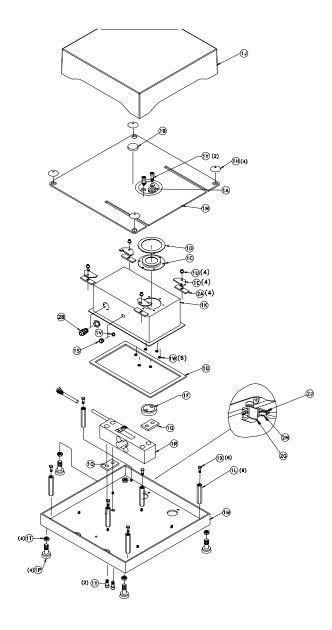
🄼 WARNING

THE LOAD CELL USED IN THE WB..X BASE HAS A TEMPERATURE RATING OF T4 (135° C) WHEN USED IN AN INTRINSICALLY SAFE APPLICATION AND A TEMPERATURE RATING OF T6 (85°C) WHEN USED IN A NONINCENDIVE APPLICATION. THE WB..X BASE MUST NOT BE USED IN AREAS WHERE THE AUTO IGNITION TEMPERATURE OF THE HAZARDOUS MATERIAL IS BELOW THESE RATINGS.



Parts List

WB06(x) Base



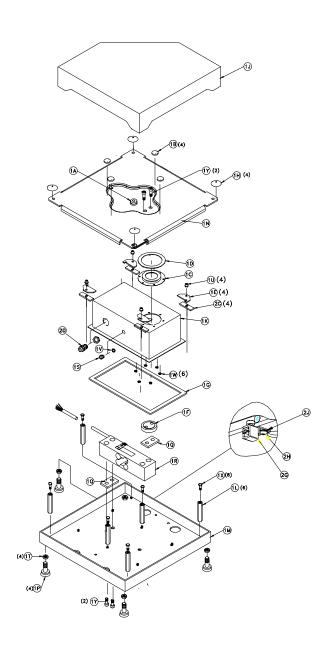
METTLER TOLEDO WB Analog Scale Base Technical Manual and User's Guide

Parts List – Small Washdown Base Assembly				
Ref. #	Part Number	Description	Qty	
1A	(*)10268900A	Level	1	
1B	(*) 10839700A	Pad, Damper	1	
1C	(*)13937600A	Boot, Load Cell	1	
1D	(*)15330100A	Clamp, Boot Ring	1	
1E	(*)15219600A	Bracket, Hold Down	4	
1F	(*)15349800A	Adapter Block, Boot	1	
1G	(*)15219700A	Gasket, L/C Enclosure	1	
1H	(*)14044100A	Pad, Bumper	4	
1J	(*)15185700A	Platter, 9", No LIP	1	
1K	(*)15185300A	Enclosure, L/C	1	
1L	(*)15185500A	Standoff, 10-32	6	
1M	(*)15186700A	Base Weldment, 9"	1	
1N	(*)15186800A	Sub-platform, 9"	1	
1P	(*)12900400A	Foot, Adjusting, 5/16 – 18	4	
1Q	(*)14647700A	Spacer, L/C, 1.5 x 1.0	2	
1R	(*)15187200A	Load Cell 11 kg (WB06)	1	
	(*)15579200A	Load Cell 11 kg FM/CSA Approved (WB06X)		
18	(*)15473000A	Vent, Breather	1	
1T	R0365600A	Nut, Hex 5/16 – 18	4	
1U	R05429100A	Acorn Nut, 10-32	4	
1V	R0542300A	Nut, 1/8 – Pipe	1	
1W	R0509500A	Nut, Lock 4-40	6	
1X	R0518100A	Screw, 10 – 32 x 5/8 trimmed	1	
1Y	R0540800A	Hole Plug, PG7	4	
2A	(*)15419800A	Spacer, 1.50 x 43	4	
2B	(*)12901800A	Grip Busing	1	
2G**	09870100A	Ground Lug	1	
2H**	R0357700A	Screw, 10-32x1/2	1	
2J**	R0546600A	Lock Washer, #10	1	

^(*)May have a letter prefix

^{**} CSA and FM approved models only.

WB15, WB30, WB60(x) Bases

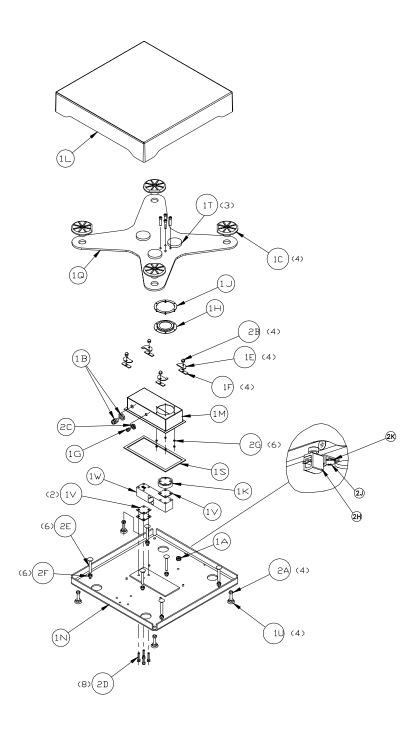


Parts List – Medium Washdown Base Assembly					
Ref. #	Part Number	Description	Qty		
1A	(*)10268900A	Level	1		
1B	(*) 10839700A	Foot, Polyurethane, Adhesive Back	4		
1C	(*)13937600A	Boot, Load Cell	1		
1D	(*)15330100A	Clamp, Boot Ring	1		
1E	(*)15219600A	Bracket, Hold Down	4		
1F	(*)15349800A	Adapter Block, Boot	1		
1G	(*)15219700A	Gasket, L/C Enclosure	1		
1H	(*)14044100A	Pad, Bumper	4		
1J	(*)15185200A	Platter, 12", No LIP	1		
1K	(*)15185300A	Enclosure, Load Cell	1		
1L	(*)15185500A	Standoff, 10-32	6		
1M	(*)15187000A	Base Weldment, 12"	1		
1N	(*)15219200A	Sub-platform, 12"	1		
1P	(*)12900400A	Foot, Adjusting 5/16 – 18	4		
1Q	(*)14647700A	Spacer, L/C, 1.5 x 1.0	2		
	(*)14612300A	Load Cell 22 kg (WB15)			
	(*)15180900A	Load Cell 22 kg, FM/CSA Approved (WB15X)			
1R	(*)14611500A	Load Cell 45 kg (WB30)	1		
	(*)15181000A	Load Cell 45 kg, FM/CSA Approved (WB30X)			
	(*)14611900A	Load Cell 100 kg (WB60)			
	(*)15181100A	Load Cell 100 kg, FM/CSA Approved (WB60X)			
18	(*)15473000A	Vent, Breather	1		
1T	R0365600A	Nut, Hex 5/16 – 18	4		
1U	R05429100A	Acorn Nut, 10-32	4		
1V	R0542300A	Nut, 1/8 – Pipe	1		
1W	R0509500A	Nut, Lock 4-40	6		
1X	R0518100A	Screw, 10 – 32 x 5/8 trimmed	1		
1Y	R0540800A	Hole Plug, PG7	4		
20	(*)15419800A	Spacer, 1.50 x .43	4		
2D	(*)12901800A	Grip Bushing with nut	1		
2G**	09870100A	Ground Lug	1		
2H**	R0357700A	Screw, 10-32x1/2	1		
2J**	R0546600A	Lock Washer, #10	1		

^(*)May have a letter prefix

^{**} CSA and FM approved models only.

WB75 and WB150(x) Bases



	Pa	rts List – WB Large Base Assembly	
Ref. #	Part Number	Description	Qty
1A	(*)10268900A	Level	1
1B	(*)12901800A	Grip Bushing	1
1C	(*)15083900A	Platter Pad, Corner	4
1E	(*)15219600A	Bracket, Hold Down	4
1F	(*)15419800A	Spacer, 1.5 x .43	4
1G	(*)15473000A	Vent, Breather	1
1H	(*)15674700A	Boot, L/C. 18 x 18 SW	1
1J	(*)15674800A	Clamp, Ring 18 x 18 SW	1
1K	(*)15674900A	Adapter Block Boot 18 x 18 SW	1
1L	(*)15675100A	Platter w/ lip, 18 x 18 (SW)	1
	(*)15675000A	Platter, no lip, 18 x 18 (WB)	
1 M	(*)15675200A	Enclosure, L/C, 18 x 18	1
1N	(*)15675300A	Base, 18 x 18	1
1Q	(*)15675400A	Subplatter w/reinforcement	1
18	(*)15676000A	Gasket, L/C Enclosure, 18 x 18	1
1T	(*)15676100A	Pad, Platter support	3
1U	(*)12900400A	Foot, Adjusting 5/16 – 18	4
1V	(*)14609700A	Spacer, 4 hole load cell	3
1W	(*)15181200A	Load Cell, 100 kg, FM/CSA approved (WB75x)	1
	(*)14654600A	Load Cell, 100 kg (WB75)	
	(*)15181300A	Load Cell, 200 kg, FM/CSA approved (WB150X)	1
	(*)14639000A	Load Cell, 200 kg, (WB150)	
2A	R0365600A	Nut, Hex, Jam 5/16 – 18	4
2B	R0529100A	Acorn Nut 10 – 32	4
2C	R0542300A	Nut, Hex, 1/8 – Pipe	1
2D	R0511000A	Screw, M6 x 35	8
2E	R0548100A	Bolt, Carriage, 5/16 – 18	6
2F	R0233700A	Nut, Hex, 5/16 – 18	6
2G	R0549500A	Nut, Hex, M3 w/insert	6
2H**	09870100A	Ground Lug	1

Parts List — WB Large Base Assembly (Continued)				
2J** R0357700A Screw, 10-32 x 1/2 1				
2K**	R0546600A	Lock Washer #10	1	

^(*)May have a letter prefix

^{**}CSA and FM approved models only

NOTES

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