Training Guide Rev - 20170713

For Demo, the following items are required:

Converter 232-485 Box (Item Number 72208576)



Speedy Board - 6 channels or 12 Channels



72230106 - PCBAC, Gen II 12 - Speedy Board



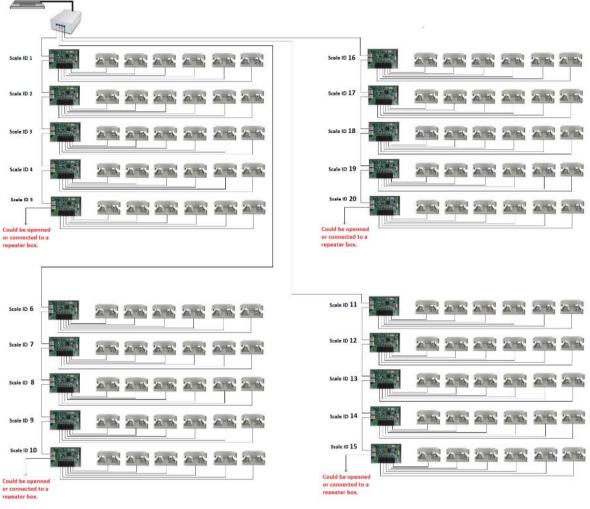
Weight Pad (72235202 - Weighing pad 25lb or 72235203 - Weighing pad 50lb)



General Information:

- Each Converter box contains 4 channels.
- You can connect up to 5 PCB boards per Converter channel. This allows you a maximum of • 20 PCB boards per converter.
 - 6 Scale PCB x 20 PCB boards = 120 scales (Bins)
 - 12 Scale PCB x 20 PCB boards = 240 scales (Bins)

- You can connect a repeater to extend the number of scales (Bins) in a configuration.
 - The last PCB board is connected to the repeater and the next 3 channels are used to expand the number of scales in the configuration.
 - expand the number of scales in the configuration.
 The maximum number of scales is 999.



Setting up the unit:

• Connect the USB to RS232 Cable to the Computer and the converter box.



• Connect the PCB Speedy board (Scale Boards) to the Converter box.



• Connect each Weighing pad to each channel. Make sure you connect the first pad to Channel 0, the next to Channel 1 and so on. Channel numbers are labeled on the back of the Speedy board.



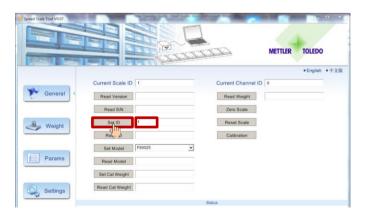
- Plug the Converter board into an outlet.
- Run the Speedy Board Configuration tool



• Once the software open, you will see the following;

Speed Scale Tool V0.07			
		METTLE	R TOLEDO
			●English ●中文版
	Current Scale ID 1	Current Channel ID 0	
General	Read Version	Read Weight	
	Read S/N	Zero Scale	
J Weight	Set ID	Reset Scale	
	Read ID	Calibration	
	Set Model F80025	1	
Params	Read Model		
	Set Cal Weight		
Settings	Read Cal Weight		
		Status	

- You must connect one speedy board at a time and configure each of them using this software.
- Set up the 1st Speedy Board Scale Board as Scale ID 1 by entering 1 under the Set ID and clicking the set ID button.



• The Scale PCB will be set as your number 1 scale ID.

• Then, set the model according to the weight pad you are using. In this case, we will use A60008. Click on the Set Model block and enter "A60008", then hit the "Set Mode" button.

Speed Scale Tool V0.07			
			ALC: NO
		ATTEN METTLER	TOLEDO
Linteral Bernell		- Harrison and the second s	
			•English •中文版
	Current Scale ID 1	Current Channel ID 0	
General 4	Read Version	Read Weight	
	Read S/N	Zero Scale	
Weight	Set ID 1	Reset Scale	
	Read ID	Calibration	
	Set Model A50008		
Params	Real		
	Set Cal Weight		
Settings	Read Cal Weight		
		Status	

• The status block will let you know that the operation was successful

			Also I
Long Land		NTTTT METT	LER TOLEDO
			•English •中文
	Current Scale ID 1	Current Channel ID 0	
General •	Read Version	Read Weight	
	Read S/N	Zero Scale	
J Weight	Set ID 1	Reset Scale	
	Read ID	Calibration	
	Set Model A60008		
Params	Read Model		
	Set Cal Weight		
Settings	Read Cal Weight		
Settings	Read Cal Weight		

• You can also read the version of software contained in the Speedy Board Scale Board by clicking on the "Read Version" button.

			EL.	METTLER TOLEDO	
	al Luci Instanto	(Friday)		• English	 中文
	Current Scale ID 1		Current Channel ID	0	
💓 General 🔹		V0.03;BL 72263789 V0.	Read Weight		
	Re		Zero Scale		
Weight	Set ID		Reset Scale		
- Weigin	Read ID		Calibration		
	Set Model A60008	•			
Params	Read Model A60008				
	Set Cal Weight				
Settings	Read Cal Weight				
Setungs		Statu			
	[13:51:06] get model success! [13:51:13] get revision success! [13:52:02] set model success!	o tenu			

• Next, you need to set each of the scales that are connected to the Speedy Board. To do this, click on the "Params" button to open the configuration screen.

Spred Scale Tool V0.07			Speed Scale Tool V0/7		METLER	TOLEDO
General 4	Current Scale ID 1 Read Version Speedy V0 03/8L 72263789 V0 Read SN		Ceneral General	Target Scale ID Scale Model F80025 - PCB Type 12 Channels -	Slave Model Unit Channels parameters	• English • 中文版 Read file Salve as Reset param
Weight	Set ID Read ID Set Model A60008	Reset Scale Calibration	Weight	Divisions 0.01 Divisions	Open / Channel 6 Open / Chann	A type
Params	Read Model A50008 Set Cal Weight Read Cal Weight		Params	Divisions ES1 Divisions Cal Weight 10 Cal Weight	25 Capacity 25 Capacity 8291 v Divisions 8291 v 19 Cat Weight 10 Cat Weight Cat Weight	ll type 🔄 📩 ty ss 🔆
	3.51001 pet model success! 3.51113 pet relation success! 3.5202] set model success!	Elution	and country	Capacity 25 Capacity	Open / Channel 8 Open Chann Coadcel type Capacity 23 Capacity Capacity 39 Cal Weight	a type

- Here, you will need to enter the following parameters as shown on the picture below:
 - Target Scale ID, which for the first scale set should be "1".
 - Scale Model, F40050.
 - PCB Type, which for this purpose, we are using a 6 channel Speedy Board PCB.

Speed Scale Tool V0.07		ALL ALL ALL ALL ALL ALL ALL ALL ALL ALL		METTLER	TOLEDO
General	Target Scale ID 1 Scale Model F40050 PCB Type 6 Channel	vels	Slave Model Unit	lb <u>+</u>	●English ●中文版 Read file Save as Reset param
Weight	Channel 0 Open le Loadcell type 50kg - Capacity 50 Divisions 0.02 - Cal Weight 20	Loadcell type 50kg Capacity 50	Channels parameter	75	
Params	Channel 1 Open Is Loadcell type 50kg Capacity 50 Divisions 0.02 Cal Weight 20	Loadcell type Capacity	Open		
Settings	Channel 2 Open Loadcell type 50kg <u>~</u> Capacity 50 Divisions 0.02 <u>~</u> Cal Weight 20	Loadcell type Capacity	Open	Download to Speed	

• Next, you need to calibrate each of the channels connected to the Speedy Board. To do so, click on the "General" button.

Speed Scale Tool V0.07					METTLER	TOLEDO	
Cargestant Continues	Front Mar 1143					• English	• 中文版
	Current Scale ID	1		Current Channel ID	1		
General	Read Version	Speedy V0.03;BL 72263789	V0.	Read Weight	No calibration		
2	Read S/N			Zero Scale			
Weight	Set ID			Reset Scale			
	Read ID			Calibration			
	Set Model	F40050	•				
Params	Read Model	A60008					
	Set Cal Weight						
Settings	Read Cal Weight						

• Then set the Channel ID to the first pad, "0", and hit the "Calibration" button.

Speed Scale Tool V0.07		METTLER TOLEDO
	Current Scale ID 1	●English ●中文版 Current Channel ID
General 4	Read Version Speedy V0.03;BL 72263789 V0.	Read Weight No calibration
	Read S/N	Zero Scale
J Weight	Set ID	Reset Scale
	Read ID	Calibration
	Set Model F40050	- du
Params	Read Model F40050	
	Set Cal Weight	
Settings	Read Cal Weight	

• The software will ask you to empty the Pad/Scale. Remove all weight from the pad connected to channel "0". Then hit the "Cal Zero" button.

			METTLER TOLEDO
CONTRACT			•English •中文
	Current Scale ID 1	Current Channel ID	0
General 4	Read Version Speedy V0.03;BL 7226378	V0. Read Weight	No calibration
	Read S/N	Zero Scale	
Weight	Set ID	Reset Scale	
	Read ID	Cal Zero	
	Set Model F40050		
Params	Read Model F40050		
	Set Cal Weight		
Settings	Read Cal Weight		

• You should get a message on the status line that says "zero calibrate success!" Then the place the required calibration weight on the Pad/Scale on Channel "0" and click on the "Cal Point 20" button.

Speed Scale Tool V0.07				METTLER TOLED	0 %
AND	naari Mari 1166			• English	• 中文版
	Current Scale ID	1	Current Channel ID	0	
Ceneral 4	Read Version	Speedy V0.03;BL 72263789 V0.	Read Weight	No calibration	
	Read S/N		Zero Scale		
Weight	Set ID		Reset Scale	_	
	Read ID		Cal Point 20		
	Set Model	F40050	2 m	•	
Params	Read Model	F40050			
	Set Cal Weight				
Settings	Read Cal Weight				
<u></u>			Status		
[16:14 [16:14	46] start calibrate success 15] zero calibrate success 16] point calibrate failed (1	1 Error description: Command unsucces	ss)!		
[16:17 [16:20	16] start calibrate success 56] zero calibrate success	8			

• You should get a message on the status line indicating "calibrate success!" The calibration is done on this pad. Continue with these three steps until all pads are calibrated for the pads connected on this Speedy Board.

Speed Scale Tool V0.07		METTLER TOLED	0
AND ADDRESS AND ADDRESS	Last to Harace	• English	• 中文版
	Current Scale ID 1	Current Channel ID 0	
General 4	Read Version Speedy V0.03;BL 72263789 V0.	Read Weight No calibration	
	Read S/N	Zero Scale	
J Weight	Set ID	Reset Scale	
weight	Read ID	Calibration	
	Set Model F40050		
E Params	Read Model F40050		
	Set Cal Weight		
Settings	Read Cal Weight		
Settings		Status	
[16: [16: [16:	13:46) start calibrate success! 14:15) zero calibrate success! 14:16) point calibrate failed (Error description: Command unsuccess 17:16) start calibrate success! 25:65] zero calibrate success!		
[16:	24:33] calibrate success!		

- Note that you will need to connect each individual Speedy Board PCB by itself and calibrate each of the pads connected to the board. Each Speedy Board will need to have a separate ID from 1 to 5. Once all of them are configured and calibrated, you are ready to weight. At that point, you will need to connect all the Speedy boards and pads to the first Channel. You can proceed with more or be ready to weight.
- To see the weight on the pads, click on the "Weight" button, select the Scale ID you want to see, and hit the "start" button. You will see the weigh on each pad and the status line will continually update any changes on the pads.

🎐 Speed Scale Tool V0.07	A -14		A a	
			METTLI	ER TOLEDO
				●English ●中文版
Current Scale II	D 1		Stop	
General Channel 0	0.00 lb	Channel 6		
Channel 1	0.00 lb	Channel 7		
Weight Channel 2	No calibration	Channel 8		
Channel 3	No calibration	Channel 9		
Params Channel 4		Channel 10		
Channel 5		Channel 11		
Settings				
		Status		
[16:36:54] get all channel's we [16:36:55] get all channel's we [16:36:56] get all channel's we [16:36:57] get all channel's we	ights success! ights success! ights success!			*
[16:36:57] get all channel's we [16:36:58] get all channel's we [16:36:59] get all channel's we	ights success!			

• As you apply weight to any of the pads attached to the selected Scale board, you will see the weight on each channel.

Speed Scale Tool V0.07		2 -1	2 2 2		4 1 2-	
					MET	TLER TOLEDO
And the second s						●English ●中文版
(ma ,)	Current Scale ID	1			Stop	
General	Channel 0	20.00 lb		Channel 6		
	Channel 1	2.40 lb		Channel 7		
Weight 4	Channel 2	No calibration		Channel 8		
	Channel 3	No calibration		Channel 9		
Params	Channel 4			Channel 10		
	Channel 5			Channel 11		
Settings						
	Status					
	[16:41:31] get all channel's weigh [16:41:31] get all channel's weigh [16:41:32] get all channel's weigh [16:41:33] get all channel's weigh	its success! its success! its success!				•
	[16:41:34] get all channel's weigh [16:41:34] get all channel's weigh [16:41:35] get all channel's weigh	ts success!				ļ