BRUKER	TECHNICAL SUPPORT BULLETIN	Tech. Support Bulletin No. TTSB- 0366	
	Vertical Calibration on the	Page 1 of 2	
	<u>DektakXT</u>	Products: DektakXT	
Revision	Description	Date	
А	Initial Release – Will Mueller	06/28/2011	

Subject: Vertical Calibration on the DektakXT Systems Affected: DektakXT Action Category: On Next Use Summary: The Vertical Calibration on the DektakXT Has Been Simplified

The vertical calibration on the DektakXT has been simplified. Now, you do not have to worry about clearing each range before starting – the software does that for you.

Procedure:

1. To start, select the "Vertical Calibration" icon in the "Configuration" section of the Instrument tab.

	Instrument	Analyze	e Pre	ferences	Г		_		
Measure	ement Cancel	۲ Open	Save	Advanced Setup	Stylus Force Calibration	Vertical Calibration	Reset Dektak	Measurement Setup	A
Mea	surement	Fil	es		Configu	ation			
Measure	ement Setup						<b>_</b> ×	Live Video	

2. This window will appear.

🔷 Vertical Ca	- • • ×			
Scan Range	Measured Value	Certified Value	Current Calibration Factor	New Calibration Factor
6.5 µm		1.00000	1.17234	
65.5 µm		9760.00000	1.14444	
524 µm		1.00000	1.16560	
1 mm		1.00000	1.21374	
				OK Cancel

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- 3. As before, select a range, run your setup and calibration scans. Enter that data into the Vertical Calibration dialog box. (Shown here for the 6.5um range).
- 4. The "Current Calibration Factor" is what you started out with. The "New Calibration Factor" is the new one based on the data you just input. If this is the only range you are calibrating, click "OK."

🔷 Vertical Ca	libration	5	1000	
Scan Range	Measured Value	Certified Value	Current Calibration Factor	New Calibration Factor
6.5 µm	4.56700	4.95000	1.17234	1.27066
65.5 µm		9760.00000	1.14444	
524 µm		1.00000	1.16560	
1 mm		1.00000	1.21374	
				OK Cancel

5. If something has gone amiss and you wind up with a very high "New Calibration Factor," the software will show you that in red. (The software will allow a "New Calibration factor up to 1.35).

🚸 Vertical Ca					
Scan Range	Measured Value	Certified Value	Current Calibration Facto	r New Cali	bration Factor
6.5 µm	4.10000	5.45600	1.17234	1.56007	
65.5 μm		9760.00000	1.14444		
524 µm		1.00000	1.16560		
1 mm		1.00000	1.21374		
				C	OK Cancel

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