

The torque value is out of range when you validate it with corresponding weights. You need to do the following processes.







KTM-10 Requries weights 1kg 500g 200g 100g KTM-15 Requres weights 1500g 1200g 800g 400g 100g





Install K2S cal. arm. (K4S cal. arm for KTM-150.) If the reading not equal to ZERO, please

press CLEAR button to zero it.

Hang a 1kg weight first (KTM-100 hang a 5kg weight first)

<image/>	Check the maximum torque value, hang the weighs: 1500g. Above photo shows 14.71. (You could start the calibration from either CW or CCW) Weight: 1.5KG with K2S for KTM-15 / Weight: 7.5KG with K4S for KTM-150 / Weight: 12.5KG with K4S for KTM-250 When starting from CW calibration and the display value is not within specification, please press "UNIT" button.
Unload the weight and the reading should be equal to ZERO.	GOOD NG UNIT
(If the reading not equal to ZERO, please press clear button to zero it.)	FAR OUTPUT

Hang a 1KG weight again, the above photo display 10.09   (The range should be: 9.95~10.05)	After you pressed "UNIT" button, the display should be 15.00. After that, you could unload the weight and then press "CLEAR" button to ZERO again. You could start to do C. C. W. calibration now.
For the CW calibration, please adjust VR2	Hang the cal. Weight: 1500g for the CCW
variable resistor. (For the CCW calibration, please adjust VR2 VR3 variable resistor)	direction. The above photo shows 14.58

Adjust the value to the standard one	After you pressed "MODE" button, the
follow by the specification. Above photo	display should be 15.00.
shows 10.00	Above photo shows 15.00.
	After pressed "MODE" button and then unload the weight. The calibration process is done.



Above photo shows the weight is 200g and the display value is 2.00



Above photo shows the weight is 100g and the display value is 1.00

When any of the cal. point values out of range, you need to hang the weight lkg (check the maximum torque value) and then adjust it by the Variable resistor. Ex: If you hang a weight 100g and the display value is 1.02. You need to change the weight to 1 kg and adjust the tolerance value to minimum until all cal. points value within its acceptable tolerance value. After adjustment, according to specification, hang on the corresponding weights to verify each cal. point from minimum one to maximum one. Above photo shows weight is 100g and the display value is 1.00.



Above photo shows the weight is 400g and the display value is 3.99





After you finished a calibration process for one direction, you could start to do the other direction calibration followed by the same procedure above. Also begins from calibrating the maximum torque value of the tester. Hang a 1 kg weight.

Above photo shows the weight is 800g and the display value is 7.99



Unload the weight and check the display value. It should be 0. (If it is not 0, please press CLEAR to reset it to be 0) Above photo shows the weight is 1200g and the display value is 11.99.



Hang a 1kg weight, the above photo shows-10.08.





Above photo shows the weight 1500g and the display value is 15.00. Once the C.W. cal. process is completed, you could start to do C.C.W. calibration. Also, verify reading by hanging the corresponding weights from minimum cal. point to maximum cal. point.

Adjust the VR3 variable resistor, to make the value within an acceptable value. Then verify reading by hanging the corresponding weights from maximum cal. Point to minimum cal. Point.

- \* The calibration methods for
- C.W and C.C.W. are the same. All

of the reading values must be

機型	KTM-100 KTM-10					KT	M-10		settle within acceptable			
使用力桿		K	4S	a de la		K2S			tolerance.			
使用砝碼	500g	lkg	2kg	5kg	100g	200g	500g	lkg	KTM-15, 150 and 250 use the same			
顯示值 kgf	10	20	40	100	1	2	5	10				
容許誤差 kgf	±0.1	±0.1	±0.2	±0.5	±0.01	±0.01	±0.02	±0.05	calibration process.			
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* The calibration methods for C.W			for									
and C.C.W.are the same. All of				A1	1 o							
the reading values must be settle					ust	be	se					
within acceptable tolerance.			e.									
(Above photo is the tolerance value for			lue									
KTM-10, KTM-100 )												
l		1										

機型。			KTM-150∉	3		KTM-15¢				
使用力提。			K4S₽			K2S+3				
使用砝碼。	7.5kg₽	6kg¢'	4kg¢	2kg₽	500-g≁	1500g¢	1200g4 <sup>3</sup>	800g₊	400-g4	100 <sup>.</sup> g <sub>4</sub> 3
顯示值(kgf.cm)+	1500	1204	80₽	40₽	10₽	15₽	124	8+2	4₽	14
容許誤差(kgf.cm)+	±0.7¢	±0.64	±0.4¢	±0.2¢	±0.1¢	±0.0743	±0.05↔	±0.04~	±0.0243	±0.01*

機型 MODEL	KTM-250									
使用力桿 Cal. arm	K4S									
使用砝碼 Cal. Weights	12.5kg	10kg	7.5kg	5kg	2kg					
顯示值(kgf.cm) Reading value	250	200	150	100	40					
容許誤差(kgf.cm) Tolerance	±1.2	±1.0	±0.8	±0.5	±0.2					