





Setting Speedometer Calibration

- 1. Open TMax/SmartLink Software
- 2. Link to the motorcycle.
- 3. Read the map from the module (Main Menu>Map Editing>Read Module Maps and settings)
- 4. Open the Basic Settings Dialog (Tuning Maps>Module Configuration>Basic Settings)

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Т	uning Map	s		1		isin 🗉	Link	Moni	tor
	⊡ Front Cylinde ⊡ Rear Cylinde ⊡ Idle Curves	er Fuel er Fuel			ſ	I HCSSSGSA	ANUSISII.TBV	V (File	BaseMa
	- Air Fuel Ration - Ignition Timir - Ignition Timir	o Curves ng Maps ng VS TPS			Ī	100.0	Fro	nt F	uelfl
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From the Basic Settings Dialog select > SpeedoCal Button

Rev Limit	Final Drive Ratio.	Engine temp alarm threshol	
6016 rpm	87 units	375.09 deg F	
Accel Fuel	Gear 6 Min Tps	*AutoTune Low Temp	
6.0 msec	40 tps	200 deg F	
Speedo Cal	Initial Fuel Pulse	*AutoTune High Temp	
43000	121 %	280 deg F	
Idle Rpm	Cranking Fuel	Comp Release Delay	
896 rpm	8.0 msec	2.0 revs	
TAC Home Position	Decel Fuel Cut	EGO Sensor Type	
95 steps	0 on/off	2 Wide Band	
IAC Stop Target	Decel Fuel Cut Rpm Low	Injector Timing	
10 steps	2944 rpm	392 deg	
IAC Min Learning Offset	Decel Fuel Cut Rpm High		
-10 steps	3200 rpm		
IAC Max Learning Offset	Decel Post Fuel Enrichement		
10 steps	7.84 % fuel		
Read Module Settings	Write Module Settings	Close	



THUNDERMAX 120 INDUSTRIAL ORIVE 10100 Houster of 2010 SU22ORT@THUNDEREMAX.COM SWWW.THUNDEREMAX.COM







Select Calibration Calculator Button.

100.0 **Basic Settings** 8 **Basic Setting Value Entry** Rev rm threshold 601 eg F Speedo Cal Acce ow Temp Calibration of speedometer g F 6.0 Setting : Model Spee igh Temp 42450 : Touring 2008 43000 : Touring 2009 44750 : Touring 2010 43 a F Idle se Delay ** All trademarks, tradenames, and servicemarks mentioned in these pages are the property of their respective holders. 896 /s TAC Horn or Type 95 s Band IAC Sta iming **---**-10 9 Speedo Calibration Calculator IAC Min Le -10 : Valio romas 0 05535 IAC Max Le 43000 10 s Cancel OK Read Green

Front Fuelflow vs TPS @ 0 rpm

STD. Throttle Pos. (deg)







There are many optional ways to calculate the proper speedo calibration.

The simplest method is to drive the motorcycle and have someone with a known correct speedometer reading follow you or use a GPS to get the correct mph (True Speed).

Enter in the dialog below the "Indicated Speed" and also the "True Speed" values.

Press the "Calculate" button and the new speedometer calibration will be automatically calculated and stored into the basic settings and the module.

	Indicated / True speed method
Tire Data (Tire Diameter) Pulley Data (Number Of Teeth) Original Tire Diameter 25 New Tire Diameter 25 Calculate New Pulley Tooth Cnt Calculate Calculate New Calibration Value New Calibration Value 43000 43000	Indicates speed Vs True Speed Indicated Speed 70 True Speed 65 Calculate New Calibration Value 46307









As you OK and exit this series of dialogs, you will see the NEW calibration value has been stored in the basic setting. It has also been stored in the Module.

It's a good idea to "save" this map now so that changes you have made will be available later, if needed, to reload the module. Use the "SaveAs" command and choose a name and location you will remember.

Enter the original speedometer calibratic Choose the desired Data Method. Enter the sequenced data universe	Choose Calculation Method		
 Select the Calculate Button. 	43000	Indicated / True speed method	
Tire Data (Tire Diameter)	Pulley Data (Number Of Teeth)	- Indication speed Vs True Speed	
Original Tire Diameter 25	Original Pulley Tooth Cnt 70	Indicated Speed 70	
New Tire Diameter 25	New Pulley Tooth Cnt 70	True Speed 65	
Calculate	Calculate	Calculate	
New Calibration Value	New Calibration Value	New Calibration Value 46307	
43000	43000		
	OK Carrel		

