

❖ **IMAGE**



❖ **INTRODUCTION**

- Nowadays technology products are more and more intelligent, modern, especially more friendly to workers, updating new technology of industry 4.0 "integrating things, integrating knowledge, integrating data"
- You are a young generation repairman and have good financial conditions? Do you like to explore and conquer high-end technology? Do you like modern and trendy styles?
- Now your motorcycle repair tools is not only boring hand-held device that it need nice & friendly graphical interface, multi-language, multi-functional, integrating everything in one, voice communication, wireless data connection, global database connection, simple update & sync, trendy "touch screen" control
- DTDAuto would like to introduce a high-end product that analyzes and determines faults of electronic fuel injection motorcycles: MOTOSCAN TAB

- **MOTOSCAN TAB** researched and manufactured by DTDAuto Vietnam. It used to determine fault and repair electronic & electrical system for most motorbikes and scooters in Asia market and some other market with electronic control system for starting, fuel injection, ignition, ABS, Smart key, ODO, ECU...

Product is designed compactly and integrated all functions "all in one". It connect wireless with vehicle via Bluetooth communication and used for **diagnosing fault, repair fault for Engine & ABS system; automatic programming smart key system; automatic test ECU inside, automatic engine technical analyzing, intelligent diagnosing without OBD fault code, ODO value correction, ECU signal simulating, programming and upgrading standard software of manufacturer inside ECM, SCU...** and many special measurement functions, full-featured for professional motorbike repair workshop. The device is suitable for repairers who like Multi-Media technology, good quality graphics display, abundant lookup, and multimedia connectivity.

- Support multi-language: English, French, Thai, Khmer, Korean, Portuguese, Indonesian, Malaysian and Vietnamese
- Lookup repair data fast, convenient, smart and object-oriented for most motorcycles of HONDA, YAMAHA, SUZUKI, SYM, KYMCO, PIAGGIO / VESPA manufacturers.
- A gift MOTODATA software used to lookup motorbikes repair data on computer or mobile for 01 year when buy MOTOSCAN TAB.


❖ **ADDRESS & APPLICATION RANGE**



- The device is suitable for repairmen who like technology, but do not like traditional, monotonous, classic, and boring hand tools
- People like Multi-Media technology, Big data, IoT ... good graphics, impressive and multimedia connection
- A safety test device for motorcycle and private motorcycle clubs

❖ **PRODUCT PACKAGE SELECTION & PRICE**

MOTOSCAN TAB PRICE WITH PAYMENT OF ANNUAL USE FEE (\$65/ 01 year, the time finish renewal within 7 years)			
PACKAGE OPTION	DESCRIPTION	PRICE (USD)	ANNUAL USE FEE (USD)
SELECTION 1 Product code: MT008A	Customers already have a tablets use Android OS or iOS. Screen size 10.1 inches or more. (Price does not include tablets)	\$625.00	\$65.00/ year
SELECTION 2 Product code: MT008B	Customers buy with Samsung Tablet 10.5 inch Fast, smooth processing speed, beautiful color display (Model: Samsung Tab A8)	\$980.00	
Note: Tablet prices are based on market prices at the time customers buy them, DTDAuto encourages customers to buy tablets themselves to take the initiative in product warranty			
MOTOSCAN TAB PRICE WITH 1 TIME PAYMENT OPTION			
PACKAGE OPTION	DESCRIPTION	PRICE (USD)	ANNUAL USE FEE (USD)
SELECTION 1 Product code: MT008C	Customers already have a tablets use Android OS or iOS. Screen size 10.1 inches or more. (Price does not include tablets))	\$900.00	Customers needn't to pay annual use fee
SELECTION 2 Product code: MT008F	Customers buy with Samsung Tablet 10.5 inch Fast, smooth processing speed, beautiful color display (model: Samsung Tab A8)	\$1,260.00	

 SELECTION 3 Product code: MT008S <i>(special version)</i>	Include full advanced cables and Samsung Tablet 10.5 inch (model: Samsung Tab A8)	\$1,920.00	
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Note:

- Tablet prices are based on market prices at the time customers buy them, DTDAuto encourages customers to buy tablets themselves to take the initiative in the product warranty
- Customers who purchase tablets from DTDAuto will have a protective case. If you buy the device yourself, you can also find these protective cases at accessory stores

ADVANCED CABLE OPTION FOR ECU, SENSOR & ACTUATOR TEST FUNCTION		
OPTIONS	DESCRIPTION	PRICE (USD)
CABLE OPTION FOR ECU TEST FUNCTION	HONDA PACK 1 (for 02 motorcycles) Used to check ECU for LEAD 2009–2011 (ECU code: 38770-GGE-901), SCR 110 (ECU code: 38770-GFM-902)	\$45.00
	HONDA PACK 2 (for 03 motorcycles) Used to check ECU for LEAD 2012 (ECU code: 38770-GGE-941), AIR BLADE 2008 – 2010 (ECU code: 38770-KVG-V21), WINNER 2015-2018 (ECU code: 38770-K56-V01)	\$45.00
	HONDA PACK 3 (for 02 motorcycles) Used to check ECU for AIR BLADE 2011 – 2012 (ECU code: 38770-KVG-V41), VISION 2011-2012 (ECU code: 38770-KZL-E71)	\$45.00
	HONDA PACK 4 (for 04 motorcycles) Used to check ECU for FUTURE 125 (ECU code: 38770-KYZ-V21), WAVE RSX, WAVE 110, WAVE 125 (ECU code: 38770-K03-M01)	\$45.00
	HONDA PACK 5 (for 02 motorcycles) Used to check ECU for WAVE 110 RSX AT, WAVE 110 AT (ECU code: 38770-KWZ-841)	\$45.00
	HONDA PACK 6 (for 02 motorcycles) Used to check ECU for FUTURE NEO, FUTURE X (ECU code: 38770-KVL-932)	\$45.00
	HONDA PACK 12A - HONDA (SH150i-PS) (for 02 motorcycles) Used to check ECU for SH 125i/150i (2008-2012), PS (2008-2012)	\$16.00
	HONDA PACK 12B - HONDA (SH150i-PS) (for 02 motorcycles) Used to check ECU for SH 125i/150i (2008-2012), PS (2008-2012)	\$45.00
	HONDA PACK 13 - HONDA ACG ECM (for 17 motorcycles) Used to check ACG ECU for AIR BLADE 2013-2014, AIR BLADE 2015-2017, AIR BLADE 2018-2019, SH MODE 2013-2014, LEAD	\$220.00

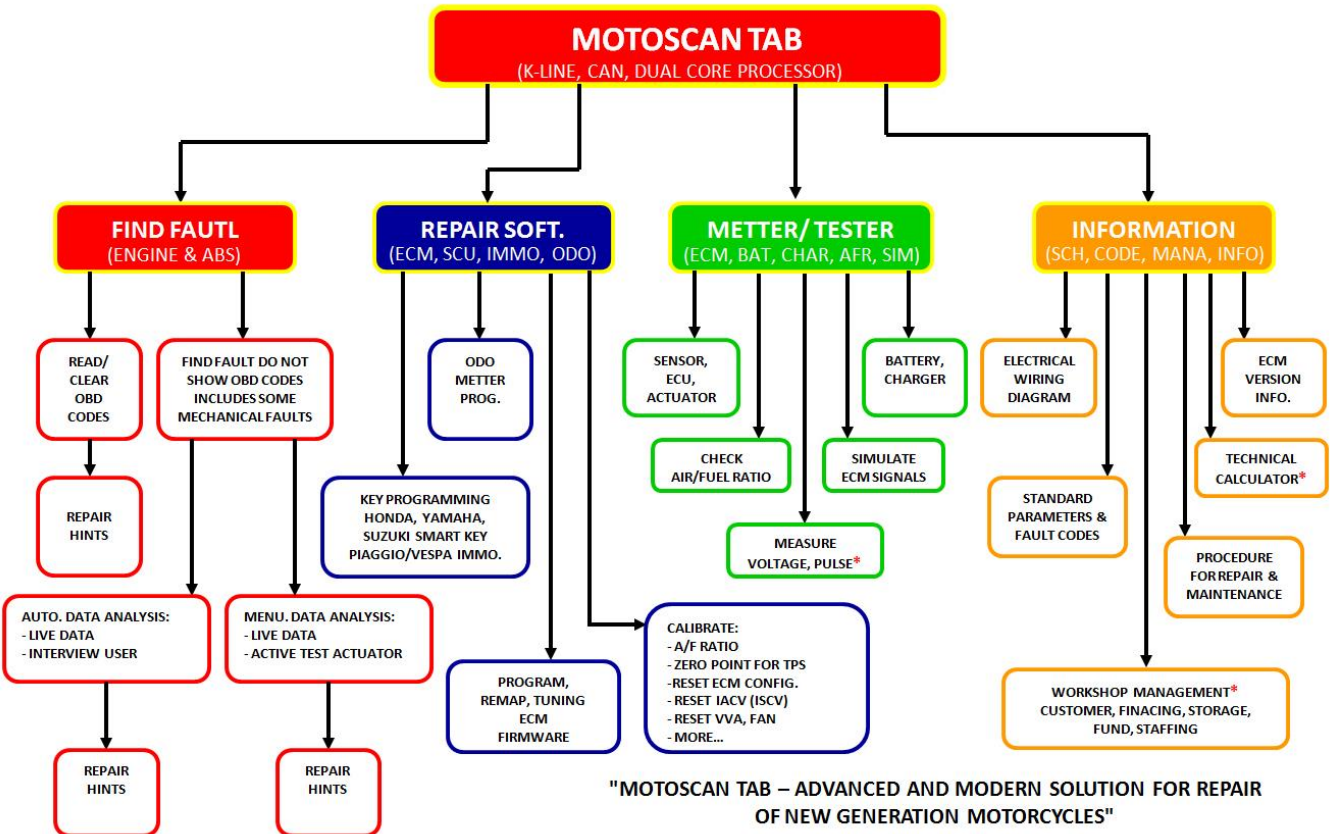
ADVANCED CABLE OPTION FOR ECU, SENSOR & ACTUATOR TEST FUNCTION		
OPTIONS	DESCRIPTION	PRICE (USD)
	2013-2014, LEAD 2015-2017, LEAD 2018-2019, SH MODE 2015-2017, SH MODE 2018-2019, SH 2015-2016, SH 2017-2019, PCX 2015-2017, PCX 2018-2020, VARIO125/150 2014-2017, VISION 2013-2015, VISION 2016-2017, VISION 2018-2020 (will continue to update for another vehicle)	
	YAMAHA PACK 7 (for 02 motorcycles) Used to check ECU for NOUVO SX (ECU code: 1DB-H591A-002XC-H591A-00), SIRIUS 2016 (ECU code: 1FC-H591A-11)	\$45.00
	YAMAHA PACK 8 (for 01 motorcycles) Used to check ECU for EXCITER 2018 (ECU code: 2ND-H591A-00)	\$45.00
	YAMAHA PACK 9 (for 01 motorcycles) Used to check ECU for JUPITER FI (ECU code: 2VP-H591A-00)	\$45.00
	YAMAHA PACK 10 (for 01 motorcycles) Used to check ECU for EXCITER 2019 (ECU code: 2ND-H591A-20)	\$45.00
CABLE OPTION FOR SCU TEST FUNCTION	PACK 14 - SCU TESTER Support to test SCU operation of manufacturers HONDA, YAMAHA, SUZUKI: 1. HONDA: - SCU with 1 connector (33 pins): K01, K35, K29, K53, K77, K96, K97, K0R, K1N, MKH... - SCU with 2 connectors (12 pins and 8 pins): K12, K44, K66, K59, K1F... - SCU with 1 connector (21 pins): K2C, K2J, K2V, K1Z, K2Z, K0R, K1N... 2. YAMAHA 3. SUZUKI	\$190.00
CABLE OPTION FOR CKP, IACV/ISCV TEST FUNCTION	CKP & IACV PACK 11 Used to check Hall CKP sensor and IACV/ ISCV for all HONDA, YAMAHA, PIAGGIO/ VESPA	\$45.00
CABLE OPTION FOR SCU TEST FUNCTION (for customers who purchased package 13 - HONDA ECU ACG)	MTB08-S33P CABLE Used to test for SCU types with 1 connector (33 pins): K01, K35, K29, K53, K77, K96, K97, K0R, K1N, MKH...	\$45.00
	MTB08-S12P CABLE Used to test for SCU types with 2 connectors (12 pins and 8 pins): K12, K44, K66, K59, K1F	\$45.00
	MTB08-S21P CABLE Used to test for SCU types with 1 connector (21 pins): K2C, K2J, K2V, K1Z, K2Z, K0R, K1N...	\$45.00
	MTB08-YASU CABLE Used to test for SCU types of YAMAHA and SUZUKI (does not support	\$45.00

ADVANCED CABLE OPTION FOR ECU, SENSOR & ACTUATOR TEST FUNCTION		
OPTIONS	DESCRIPTION	PRICE (USD)
	SCU TMAX)	
FULL ADVANCED CABLES FOR OF ECU, SCU, SENSOR AND ACTUATOR TEST	MTB08- FULL-CABLE Includes full functionality of the 14 test cable packages above	\$665.00

Notes: when buy the goods, customers can choice follow options and make total for payment.
Example 1: MOTOSCAN TAB (Product code: MT008C) = \$900.00 = totals of payment
Example 2: MOTOSCAN TAB (Product code: MT008C) + 03 add-in cables = \$900.00 + (\$45.00 X 3) = totals of payment

❖ **FUNCTION**

FUNCTION BLOCK DIAGRAM



MOTOSCAN TAB FUNCTION LIST				
ENGINE/ ABS SYSTEM				
NO.	DESCRIPTION	COMMON FUNCTIONS (basic diagnostic tools on the market have)	IN-DEPTH FUNCTIONS (some normal diagnostic tools on the market may have)	SPECIAL FUNCTIONS DEVELOPED BY DTD AUTO (normal diagnostic tools on the market does not have)
1	Read fault codes stored in ECM	✓		
2	Advanced display of fault code information (on one screen) including fault code content, component location, fault code principle electrical diagram, the overall principle diagram			✓
3	Delete fault codes stored in ECM	✓		
4	Reset ECM	✓		
5	Display live data	✓		
6	View modes: List Analog Graphic Waveform			✓
7	Activate the actuators: Injector, Ignition coil, Fuel Pump, Solenoid valve, Stepper motor, Indicator and Headlight...	✓		
8	Setting: TPS, Reset IACV, Altitude	✓		
9	ECM information	✓		
10	Check depth A/F ratio			✓
11	Adjust A/F ratio	✓		
12	A/F ratio tuning by remap for ECM	✓		
13	Upgrade original ECM & Up load tuning ECM firmware by sample remap files	✓		
14	Up load user-edited remap files for ECM based on machine			✓
15	Up load free user remap files for ECM from other source out of			✓

	machine (various selection of modes)			
16	Rescue ECM			✓
17	Advanced diagnostics with fault codes (analyze to find exact details, fault location) out of range faults			✓
18	Advanced diagnostics without show OBD fault codes (analyze by AI technology, find the exact cause, fault location) in of range faults			✓
19	In-depth testing for sensors (MAP, TP, ECT, IAT, O2, CKP) both faults out of range and in of range			✓
20	Check the operation, quality of the actuator (IACV, ISC...)			✓
21	Check the operation, quality components of hardware and software (specify show the position of components, the position of the cut holes) of Engine ECUs for some HONDA, YAMAHA...			✓
22	Simulate Input signal types and communication signals to check and diagnose engine system faults (CKP, MAP, TP, IAT, ECT, O2, VSS)			✓
23	Simulate Output signal types to check and diagnose engine system faults (INJ, IGPLS, RELAY, SOLENOID...)			✓
ODO SYSTEM				
24	Read current ODO value		✓	
25	Correct and edit ODO value for ODO repair or replacement		✓	
26	Reload the original ODO software to repair or replace ODO		✓	
27	Look up location, connection diagram, and function pins to check on the same screen,			✓

	convenient for manipulation, correction, and repair			
28	Simulate normal Vss, K-line Vss signals to check and repair ODO			✓
SMART KEY SYSTEM				
29	Check the operation of electronic components the hardware (specify the position of components, the position of the cut holes) of SCU for HONDA, YAMAHA, SUZUKI...			✓
30	SCU programming - register more keys (FOB)			✓
31	SCU programming - register a new key (FOB) when all keys are lost			✓
32	SCU programming - inactive use FOB when lost			✓
33	SCU programming - reactivate use of FOB (after canceling use)			✓
34	SCU programming - ECMID synchronization between SCU and ECM			✓
35	Check results of synch FOB and SCU			✓
36	Check the declared value of KEYID			✓
37	Read KEYID directly from SCU			✓
38	Delete KEYID inside SCU			✓
39	Copy SCU data (from SCU A to SCU B) when repairing			✓
40	Reload SCU sample data when repairing			✓
IMMOBILISER SYSTEM				
41	Register more keys		✓	
42	Register a new key when all keys are lost		✓	

43	Read KEYID directly from ECM/IC		✓	
44	Check the key, read the current KEYID through the antenna (for Medley with ECM code: PGQ16)		✓	
45	Reset Immobiliser		✓	
46	Replace ECM		✓	
OTHER MEASURE FUNCTIONS				
47	Quick connection operation of functions without sequential operation (save connection history and quickly select the function from history)			✓
48	Check the quality and capacity of the battery			✓
49	Check the charging status, operation and quality of the charging system			✓
50	High-precision measurement of DC voltage from 0V - 20V			✓
51	Update and add new functions, new vehicles automatically, quickly and easily via the internet			✓
LOOK UP TECHNICAL DOCUMENTS				
52	Support automatic calculation feature for motorcycle electronics repairmen: calculate the resistance value according to the color rim and according to the symbol on the SMD resistor; calculate the resistance for the LED circuit; calculate the correction resistance of the regulator, and rectifier; calculate sensor calibration auxiliary resistance...			✓
53	Integrate lookup data and documents, repair data, electrical diagrams of all kinds, and electrical and mechanical specifications in one application			✓
54	Look up principle diagrams and assembled circuit diagrams for vehicle systems			✓

55	Look up electrical specifications			✓
56	Look up engine mechanical specifications and disassembly instructions			✓
57	Look up the function pin position of ECU, ABS, SCU...			✓
58	Look up acronyms, wire colors, fault code information, SCU, FOB...			✓
59	Repair workshop management function: warehouse management, service, personnel, customers, maintenance...			✓

❖ SPECIFICATIONS

- Operating system: Android, iOS
- Screen size: 10.1 inches or larger
- Connection protocol: Bluetooth

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