

Moto2 COMPULSORY AND APPROVED SENSORS
(version dated 29/10/21)

CHASSIS					
TYPE	FUNCTION	UNIFIED	NOTES	APROVED SENSORS	
1	Pressure sensor	Fuel pressure	2D SA-PK010M10HT-xxx	Supply voltage 12V. "xxx" digits depending on the chassis make/model.	
2	Force transducer	Gear shifter load cell	MMM 083813359100		
3	Linear potentiometer	Fork travel	NO	0-5V output; 150 mm.	SA-LP150D-200 (2D) DIA95-XX & D1A13 -XX (AVIO RACE) ELPM - XXX (VARIQHM)
4	Linear potentiometer	Shock travel	NO	0-5V output; 75 or 100 mm.	SA-LP075D-200 (2D) DIA95-XX & D1A13 -XX (AVIO RACE)
5	Pressure sensor	Front brake pressure	NO	0-5V output	SA-PK100M10-xxx (2D) SP60-M8X1.25FB (AVIO RACE)
6	Pressure sensor	Rear brake pressure	NO	0-5V output	SA-PK100M10-xxx (2D) SP60-M8X1.25FB (AVIO RACE)
7	Digital switch	Kill switch	NO	ECU Digital input	IP35AD6 (APEM)
8	Hall effect pick up	Front wheel speed	NO	5V supply or 12V supply - 2 needed for recovery strategies.	SD-VI05-200 (2D)
9	Hall effect pick up	Rear wheel speed	NO	5V supply or 12V supply.	SD-VI05-200 (2D)
10	Linear lambda sensor	A/F ratio	NGK LZA03 or NGK LZA08 or Bosch LSU4.9	One sensor only, 3 options available; PIN layout and harness wiring must match	
11	TPS	Rear tire pressure	NO	* see approved receiver. "xxx" digits depending on the chassis make/model.	SY-TMS_LDL_B_V2-xxx (2D) 19455.00.48 (DO)
12	TPS receiver	Rear tire pressure	NO	* see approved TPS. "xxx" digits depending on the chassis make/model.	BC-TMS_LDL_REC_V2-xxx (2D) 19454.00.48 (DO)

ENGINE					
TYPE	FUNCTION	UNIFIED	NOTES	APROVED SENSORS	
1	Magnetic pick up	Rpm pickup	Triumph part of 1300053	Crank signal	
2	Hall effect pick up	CAM	Triumph 1290264	Cam signal	
3	Rotative potentiometer	Grip position	NO	0-5V output.	T2042074 (KALEX) T2042226 (TRIUMPH) RSV4_RBW_2 (APRILIA) 60711012000 (KTM) 4078.03.13-00 & 4089.03.13-00 (DOMINO) M10 713 021 A & M11 713 021 A (KALEX) F2-0403-APS01 (MV AGUSTA) RW001 (ACCOSSATO)
4	Rotative potentiometer	Throttle position	Triumph part of 1243415		
5	Rotative potentiometer	Gearbox drum position	Triumph 1299876		
6	Temperature sensor	Intake air temp.	Triumph 1290088		
7	Temperature sensor	Coolant temp.	Triumph 2100807		
8	Pressure sensor	Ambient air press.	Triumph 1290975		
9	Pressure switch	Oil pressure	Triumph 1210091		
10	Hall effect pick up	Gear speed sensor	Triumph 1290221		

Moto2 OPTIONAL SENSORS

CHASSIS					
TYPE	FUNCTION	UNIFIED	NOTES	APROVED SENSORS	
1	TPS	Front tire pressure	NO	* see approved receiver	SY-TMS_LDL_B_V2-200 (2D) 19455.00.48 (DO)
2	Potentiometer	-	NO	Up to a total of 2 x 0-5V additional rotary/linear potentiometers (e.g. steering position, clutch lever position...)	SA-LP075-xxx TO SA-LP175-xxx (2D) DIA95-XX & D1A13 -XX & DIA9,5PJ - XX (AVIO RACE) SA-APS04-201 (2D) XA7-G7-48 (Brembo)
3	Infrared temperature	front brake disc	NO	5V supply or 12V supply	Approved for use from 2022 TKTS01H (TK DISCHI FRENO)

Moto2 COMPULSORY ECU PACKAGE

ITEM	MMM NAME	MMM p/n	NOTES	APROVED SENSORS
1	ECU	REX 140	083814482400	
2	Switch panel	SP5 (TBC)	083818500900	
3	IMU	IPS 160	083815445400	
4	Dashboard	MDU 232	083818493500	