

# Electronic Throttle Grip ETG

## Drive by wire system for motorcycles

This new Electronic Throttle Grip (ETG) eliminates the throttle cables connecting the throttle grip and the throttle body and replaces them with a single electrical connection.

The grip is spring loaded to return to the idle position where a damping element and 10° free play below the idle position provide optimal control and feel for the rider. The grip includes two redundant sets of magnetic sensors to ensure a maximum safety and reliability.

There is an integrated switch denoting three power settings for the bike: OFF, IGN ON and START.



Application	
Temperature range	0 ... 80 °C
Max. vibration	800 m/s <sup>2</sup> @ 5 Hz ... 2 kHz

Mechanical Data	
Size of housing	80 x 60 x 160 mm
Weight	326 g
Mounting	handlebar ø 22.2 mm
Working angle + free play	60° + 10°
Tightening torque	4.5 Nm

Electrical Data	
Supply voltage	2 x 5 V

Characteristic	
Output Signal I	0.15 V ... 2.325 V (0° ... 70°)
Output Signal II	0.3 V ... 4.65 V (0° ... 70°)

Application Hint	
The ETG can be connected directly to control units with ETC functionality.	
Please avoid abrupt temperature changes.	

Connector	
Connector	AS 6-10-35PN
Mating connector	AS 1-10-35SN
Pin 1	terminal 30
Pin 2	terminal 15
Pin 3	terminal 50 (Starter)
Pin 4	-
Pin 5	5 V supply (Signal I)
Pin 6	5 V supply (Signal II)
Pin 8	Gnd (Signal I)
Pin 9	Gnd (Signal II)
Pin 12	Signal I (screened)
Pin 13	Signal II (screened)

Part Number	
Electronic Throttle Grip ETG	<b>F 02U V00 589-01</b>

