

# Micro Interrupt Switch

## VMI-1016

Micro Interrupt Switch is specially developed and designed to satisfy the Interruption test of power cables and signal cables, similar to the interruption, plugging and unplugging of power cables and signal cables. It is a specialized test equipment to meet the standard of OEMs. It can meet the test requirements of LV 124 for E10, E13, E14 and LV 148 for E48-09 of the LV 148. It can also meet the test requirements of GM 3172 for switching time <200ns.

Analogous to the interruptions, plugging and unplugging of power and signal cables, a common and reproducible evaluation basis is determined.

## Standards

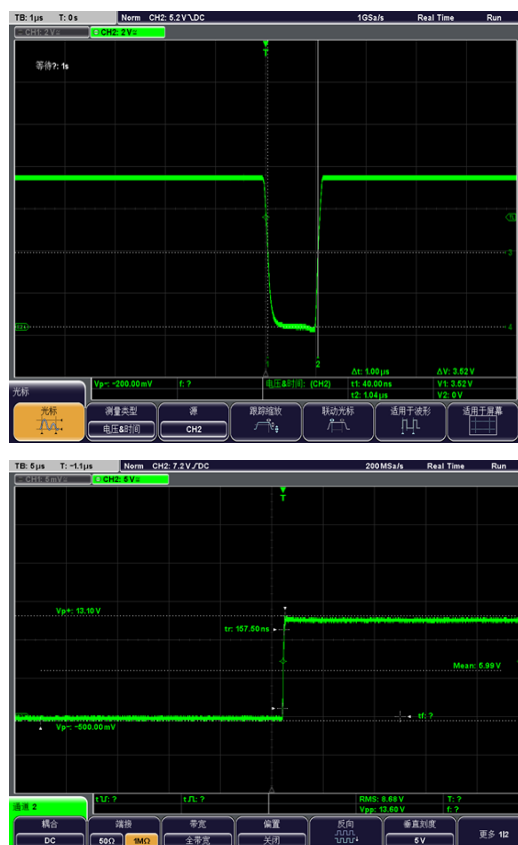
Great Wall Motor GWT A D01-01:2020-09 ; WM Motor : Q/WM J073013A-2019 ; Great Wall and BMW : GS 95003-2 ; ENOVATE QDK TE 4601-2019 ; BMW GS 95003-2 ; GS 95024-2-1 ; GS 95026 ; QV 65013 (2010-06) ; Chrysler CS-11979 ; PF-9326 Cummins 14269 (982022-026) Daimler Chrysler DC-10615 ; DC-10842 Fiat 9.90110 ; GMW 3172 ; Hyundai/Kia ES 95400-10, Rev. D Hyundai ES 39110-00 ; Iveco 16-2103 Rev.15 (2010) ; LV 124 (2013) ; LV 148 ; MBN 10615; MBN LV 124-1 ; Nissan 28401 ; NDS 02 OEM LV 124; LV 124 (2013-02) ; Volkswagen VW 80000 ; PSA B21 7110 Renault 36.00.808/--L and other standards.

## Application Field

Automotive electronics electrical performance test : Simultaneously meets 12V/24V/48V system testing requirements, etc.

## Technical haracteristics

- ◆ Can be controlled by host computer software.
- ◆ Can be used with (0-80v) DC power supply for testing purposes.
- ◆ Free editing of the interrupt waveform time.
- ◆ Highly integrated dual-module set.
- ◆ The signal wire module is designed for high-speed communication technology.
- ◆ The minimum adjustable drop time can be set to 1  $\mu$ s.



## Parameter list

Specification / Models	VMI-1016
Interference type	Simulate power line interruption, short circuit, insertion, and removal conditions ; Signal line interruption, insertion, and removal
Power cable switch	
Power switch	Two-way switch : - DC+ Power Line ; - DC- Ground Line
EUT voltage	±80V
EUT maximum current	50A/100A can selectable
S2 bleed resistor	Open circuit 、0Ω 、0.1Ω 、1Ω 、100Ω
Direction of current	one-way
Switch time	<200ns
Rising edge / Falling edge	Attaining rising edge and falling edge time of 200ns in an open circuit state.
Peak current	400 A for 200 ms 1,350 A for 1 ms automatic switch-off if I > 1,350 A
Interruption time	1μs~60s
Calibration accessories	Optional
Signal line switch	
Number of channels	There are 16 independent channels that can be switched between each other.
EUT Power	±50V DC/5A
Switching method	Automatic
Test mode	Supports single-channel and multi-channel simultaneous testing
Interruption time	1μs~60s
Rising edge / Falling edge	Simultaneous rising and falling edges <200ns under 100 ohm loading
Security	Short-circuit protection function
General parameters	
Power supply	220V/1A
Interface for host computer	485
Dimensions	3U
Weight	about 5kg