MT 5511

Switching actions with inductive and other loads influenced by complex inductances of the wiring harness all create disturbances that must be simulated. ISO and SAE have defined these tests as pulse 1, 2a and 6. The MT 5511 produces these test pulses in conformance with the relevant standard. In order to be able to cope with a company's own test methods, the generator module also provides a much greater range of selectable parameters, considerably higher test voltages, additional impedances and pulse widths.

Pulse Name	Voltage Range (V)	tr	td	Internal Ri (Ω)	t1 (Sec.) Pulse Interval	t2 (Sec.) Battery off time
P1	0–330 (1 V steps)	1 µs, 2 µs, 3 µs,	2 ms, 6 ms	4, 10, 20, 30, 50, 90	0,5–60 (0,1 steps)	0,002–10 (0,001 steps)
R1	0–200 (1 V steps)	1 µs	2 ms	10	0,2–60 (0,1 steps)	0,002–10 (0,001 steps)
SA1	0–600 (1 V steps)	1 µs, 3 µs,	1 ms	20, 50	0,5–60 (0,1 steps)	0,002–10 (0,001 steps)
HV1	0–600 (1 V steps)	1 µs, 3 µs,	2 ms, 2.3 ms	10, 20, 30, 50	0,5–60 (0,1 steps)	0,002–10 (0,001 steps)
P2	0–330 (1 V steps)	1 µs	50 µs	2, 4, 10, 20, 50, 90	0,2–60 (0,1 steps)	0,00005–10 (0,00005 steps)
SA2	0–330 (1 V steps)	1 µs	50 µs, 35 µs	2, 50	0,2–60 (0,1 steps)	0,00005–10 (0,00005 steps)
F22BC	0–330 (1 V steps)	1 µs	50 µs, 150 µs, 200 µs, 350 µs	4, 10, 30	0,2–60 (0,1 steps)	0,00005–10 (0,00005 steps)
P6	0–330 (1 V steps)	60 µs	300 µs	30	0,5–60 (0,1 steps)	0,0003–10 (0,0001 steps)
P22	0–330 (1 V steps)	2 µs	50 µs	10	0,2–60 (0,1 steps)	0,00005–10 (0,00005 steps)

- **Numerous pulse widths, impendances, rise times included for all international standards and most manufacturer standards**
- **Optional Ri jack for extended Ri options**
- **BNC connector for new coupling methods**