

TRIGGER MODULE

TMS 2403 - 2406



The trigger modules TMS 240* generate impulse voltage with peak value of up to 500 V. They are designed for triggering spark gaps, ignitrons, thyratrons etc. using suitable trigger-transformers. Rise time of output voltage is less than 200 ns. Low-inductance capacitors and special semiconductor switch allow short circuit current up to 200 A. The output of the trigger module is short-circuit-proof. Single shot or repetitive triggering can be achieved. The several types available differ concerning stored energy and max. repetition rate.

Technical specification:		TMS 2403-1	TMS 2405	TMS 2406
Charging voltage, fixed / adjustable		500 V	0 - 500 V	0 - 500 V
Energy storage capacitor		4*0.47µF	2*0.47µF	4*0.47µF
Energy of each pulse		0.25 J	0.125 J	0.25 J
Triggering:	a) single single shot	key stroke	key stroke	key stroke
	b) Ext. Trigger input	10 V / 1 kΩ	10 V / 1 kΩ	10 V / 1 kΩ
	c) Rep. clock generator	0.1 - 10 Hz	0.1 - 100 Hz	0.1 - 100 Hz
Pulse counter, presetable				0 - 999
Synchronic pulse output		-	5V / 1kΩ	5V / 1kΩ
mains power supply		230V/50 Hz	230V/50 Hz	230V/50 Hz
Dimensions: 19"-plug-in, 3HE, 240 mm depth		21 TE	42 TE	42 TE
Special version	TMS 2403:	without clock generator		
Special version	TMS 2404:	battery-operated version of TMS 2403, with optical trigger input		
Special version	TMS 2406:	generates a sequence of pulses, 1-999 with repetition rate adjustable		
Special version	MCT 5002	Multi channel trigger unit, 2 channels, delay time for each channel, adjustable 0.1 - 99.9 µs		
Special version	MCT 5004	Multi channel trigger unit, 4 channels, delay time for each channel, adjustable 0.1 - 99.9 µs		
Accessories available:		- High-voltage trigger transform IT 5413 - Impulse transformer module TM 410, TM 510, IT 5425		