



### Short description

The TS 23 is a generator for disturbing electronic devices with voltage pulses. The TS 23 has symmetrical and galvanically isolated outputs.

The pulses generated by the disturbance generator are characterized by a rise time of 1.5 ns, a pulse width of 12 ns and a pulse voltage from 10 V up to 2.2 kV. The maximum repetition frequency of the pulses for continuous pulsing is 1.5 kHz. In addition, Pulse Groups with a number of 1 - 50 pulses can be generated at the output of the generator. The modulator integrated in the generator can further generate different variations in the pulse height, for example a voltage ramp. The polarity of the pulses can be reversed with a switch. A pulse rate counter with an optical input which detects signals from assemblies is integrated into the TS 23. The TS 23 is the main component of the E2 set.

### Technical parameters

<b>Device functionality:</b>	
Operating Modes	Continuous, Ramp, Pulse Groups, External Trigger
<b>Pulse parameter</b>	
Rise time	1.5 ns
Max. Pulse voltage	2.2 kV (adjustable)
Polarity	+/- (adjustable)
Pulse repetition frequency	max. 1.5 kHz (adjustable)
Connector	SMB
<b>Optical input</b>	
Optical fiber	2.2 mm
Max. frequency	5 MHz
Min. pulse width	100 ns
<b>Supply voltage</b>	24 V / 1 A DC
<b>Weight</b>	850 g
<b>Sizes (L x W x H)</b>	(160 x 200 x 75) mm