

P21

Mini Burst Field Generator (E)



Short description

The P21 mini burst field generator creates an electric field at its tip, which is suitable for coupling into conducting paths, wires, pins, and components, especially SMD components like resistors and capacitors. Single conductors of flat cables or plug contacts can be tested.

To measure, the P21 is positioned onto the device under test. Conventional generators and test stations can be used to determine whether a device complies with the standard noise immunity required by law. However, weak spots on an assembly can not be located precisely. Detailed information about their location, susceptibility and type of action (E-field or B-field susceptibility) are required to easily and efficiently locate them on the printed circuit board and eliminate them. Mini burst field generators are handy and can be used at the developer's own workspace.

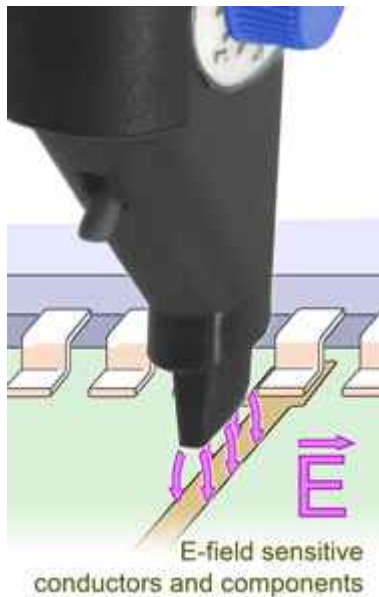
Technical parameters

Generated E-field strength	ca. 100 kV/m
Pulse parameter	
Rise time	1.8 ns ... 10 ns
Pulse width	2 ns ... 8 ns
Frequency	single / 5 kHz
Polarity	switchable
Supply voltage	1.5 V / AAA
Weight	30 g
Sizes (L x W x H)	(118 x 24 x 13) mm

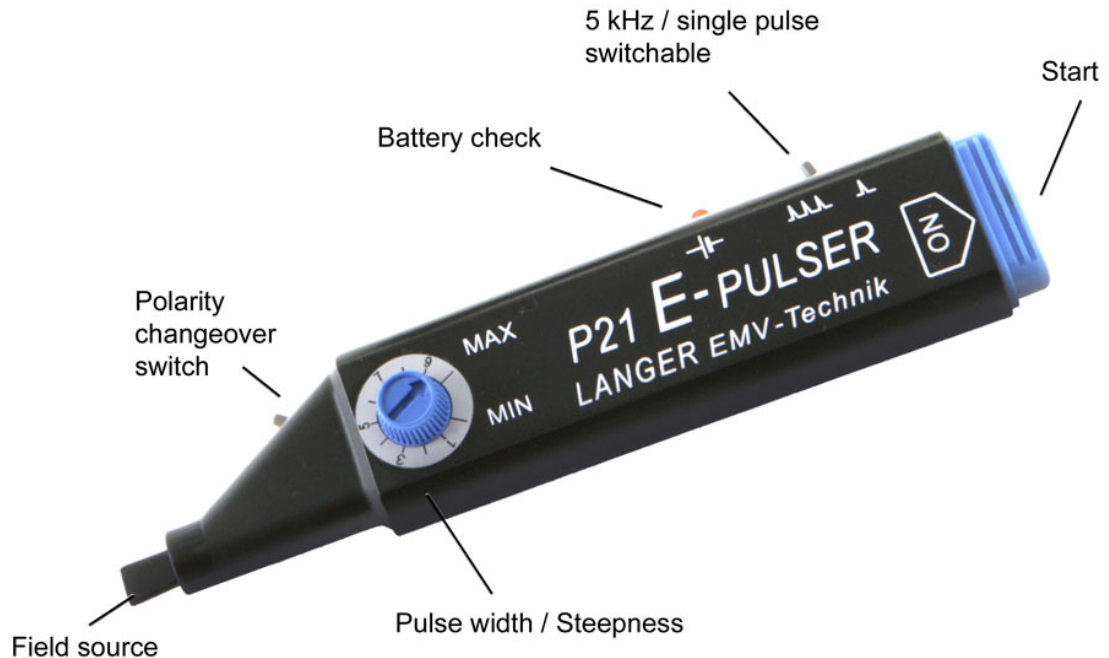
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Measuring principles



Design of P21 mini burst field generator



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Application with P21

