

P11

Mini Burst Field Generator (B)



Short description

The P11 mini burst field generator creates a magnetic disturbance field with a diameter of approx. 3 mm at its tip. Localized pulses can be transmitted via this field onto the surface of printed circuit boards and components allowing for weak points such as the sensitive parts of conducting paths, components and component connectors to be detected.

Conventional generators and test stations can be used to determine whether a device complies with the standard noise immunity required by law. Weak spots on an assembly can not be precisely located. Detailed information about their location, their 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.

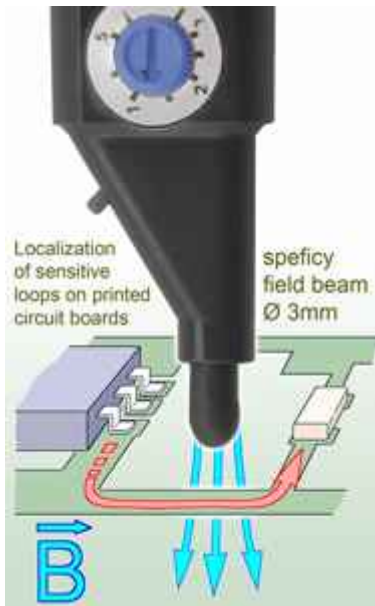
Technical parameters

Generated magnetic flux density	ca. 1 mT
Pulse parameter	
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

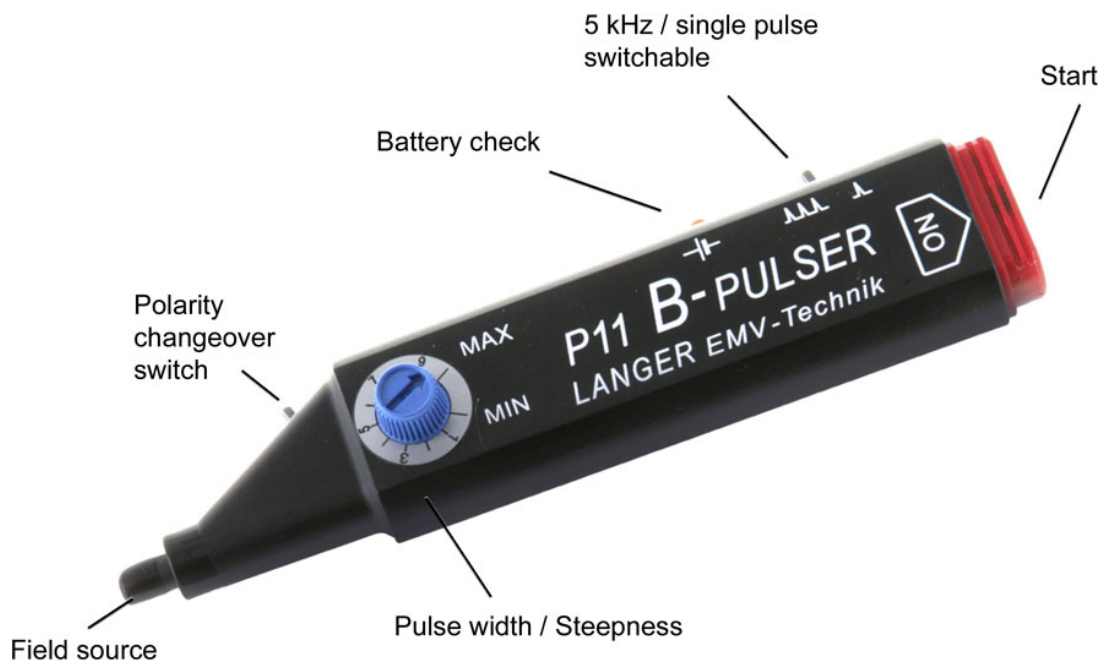
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Measuring principles



Design of P11 mini burst field generator



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Application with P11

