



MAIN FEATURES

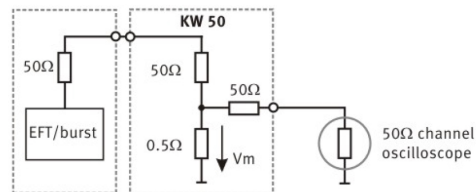
- Calibration kit as per IEC 61000-4-4
- Fischer-connector
- 50ohm load resistor included
- 1,000ohm load resistor included
- Adapters provided to adapt the load resistors to the output of the coupling network for easy measurement

CA EFT kit Calibration Adapter

The pulse shape of EFT/burst generators designed as per IEC 61000-4-4 have to be verified both into a 50ohm and a 1,000ohm load at the 50ohm coaxial HV output as well into 50ohm load at the output of the coupling network where the DUT is connected when testing mains supply lines.

The CA EFT kit includes the load resistors and a set of adapter to connect the coaxial matching resistors appropriately to the DUT output port.

Measuring example using the KW 50



Open circuit voltage setting at the EFT/burst generator (50ohm output): 2,000V

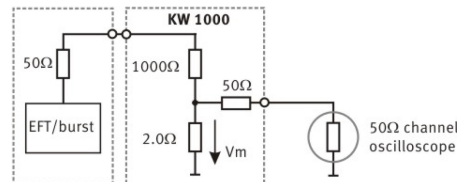
Resulting output voltage across the 50ohm matching resistor: 1,000V.

Measuring voltage V_m : 10V

Measured voltage considering the 50ohm input impedance of the oscilloscope: 5V

Resulting attenuation (theoretical): 400:1

Measuring example using the KW 50



Open circuit voltage setting at the EFT generator (50ohm output): 2,000V

Resulting output voltage across the 1,000ohm matching resistor: 1,905V

Measuring voltage V_m : 4V

Measured voltage considering the 50ohm input impedance of the oscilloscope: 2V

Resulting attenuation (theoretical): 1,000:1



Specifications

KW 50, 50Ohm Load Resistor

	For EFT/Burst transients only
Input Voltage	Max. 8,000V
Input impedance	50ohm +/-2%
Output impedance	50ohm
Divider ratio	100:1
Dimension	155mm x 26mm x 26mm
Weight	Approx. 150g
	The divider ratio in a 50ohm systems is n = 400

KW 100, 1000 Ohm Load Resistor

	For EFT/Burst transients only
Input Voltage	Max. 8,000V
Input impedance	1000ohm +/-2%, <6pF
Output impedance	50ohm
Divider ratio	500:1
Dimension	155mm x 26mm x 26mm
Weight	Approx. 150g
	The divider ratio in a 50ohm systems is n = 1000

Optional Accessories

ADA-800	Adapter SHV-F103 to match KW 50 and KW 1000 load resistors to the coaxial HV output of the EFT 800 and EFT 500M/N8
CA HFK	Adapter set for capacitive coupling clamp calibration included: - Transducer plate as per IEC 61000-4-4 Ed 3.0 - Support for positioning the KW 50 adapter on 100mm height as the capacitive coupling clamp
AD-MCF EFT	Adapter 4mm/6mm to match KW 50 load resistor to the EUT supply of 1- or 3-phase N-series coupling network with current >32 A

