

SEK 463

Secondary units for high voltage measurements

Datasheet



HAEFELY

Current and voltage – our passion

Designed by



General Description

The SEK 463 is a secondary unit fully passive and optimized for use with the DMI series of Kilovoltmeters.

The SEK 463 create a divider in combination with a HV component to measure high voltage signals in test laboratories.

It is equipped with magnets to easily fixe the unit into a metallic plate without the need of screws or holes.

Features	Advantages
<ul style="list-style-type: none">▪ Compact and robust design, standard BNC outputs	<ul style="list-style-type: none">☑ Easy to integrate into test systems
<ul style="list-style-type: none">▪ Magnets	<ul style="list-style-type: none">☑ Easy to attach to any metal plate without holes or screws
<ul style="list-style-type: none">▪ Built in overvoltage protection	<ul style="list-style-type: none">☑ The built-in overvoltage protection will protect the Measuring instrument in case a flash in the test object would happen during the test.
<ul style="list-style-type: none">▪ AC or AC & DC versions	<ul style="list-style-type: none">☑ 2 in 1 solution reduces connections and space

Applications

- High voltage measurement combined with a high voltage divider.

Scope of Supply

- SEK 463 measuring impedance
- Test certificate

Technical Data

Voltage measurement system			
	SEK 463	SEK 463-DC	SEK 463spez
Output voltage	140 V _{RMS} (200 V _{Pk})	140 V _{RMS} (200 V _{Pk})	10 ... 200 V _{RMS} ¹⁾
Low-arm capacitance	Adjustable for 140 V output	Adjustable for 140 V output	Adjustable ²⁾
Low-arm resistance	Not applicable	Adjustable for 140 V output	Adjustable ³⁾
Temperature Drift	Negative	Negative	Negative/Positive ³⁾

¹⁾ Definable on request. The default value is 140 V_{RMS} (200 V_{Pk})

²⁾ Adjustable on request. Information about used C (capacitance) value of the HV divider is required.

³⁾ Adjustable on request. Information about used RC (resistance and capacitance) values of the HV divider is required.

Connectors	
Input	2x 4 mm banana plugs
Output	BNC
Grounding	M8 thread

Environmental	
Operating temperature	-20 °C ... +55 °C
Storage temperature	-40 °C ... +85 °C
Humidity	5 ... 95 % r.h., non-condensing
Vibration/Shock	3G

Mechanical	
Dimensions (W x D x H)	270 x 180 x 90 mm
Weight	1.1 kg (2.2 lb)

Applicable Standards	
General	IEC 60060
CE conformity	EMC Directive 2014/30/EU and RoHS Directive 2011/65/EU

Ordering information

Models	
SEK 463	AC voltage, 140 V output voltage. Capacitance of HV divider required for calculations
AKV 463-DC	AC & DC voltage, 140 V output voltage. Capacitance and resistance of HV divider required for calculations
AKV 463spez	AC & DC voltage, selectable output voltage. Capacitance, resistance of the HV divider and required output voltage required for calculations

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HIGH VOLTAGE



INSTRUMENTS



EMC

precision.

swiss made.