

# Specifications

## HVD 75/CA11

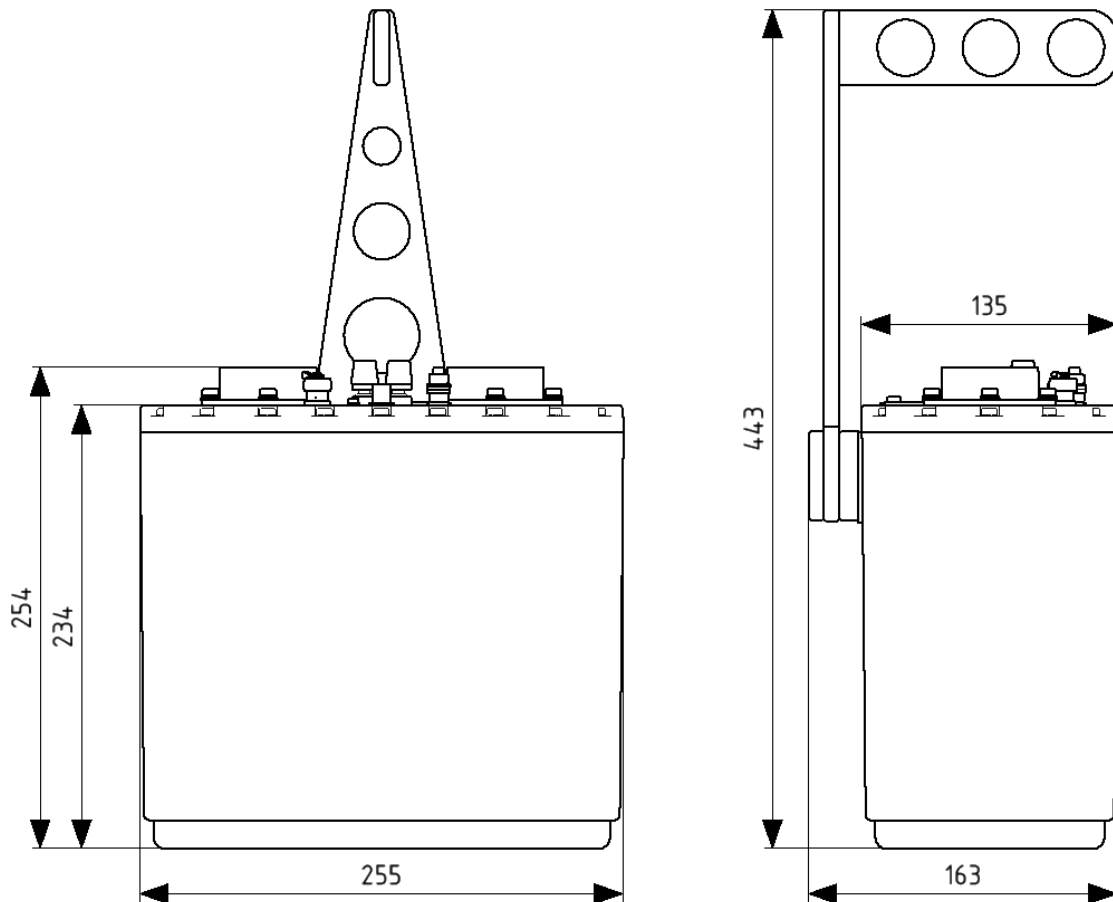


Technical data	
Setting range kV	0 kV to 75 kV
High voltage receptacle	CA11

Specifications	
Divider ratio	10 000:1
Input impedance	$\leq 400 \text{ M}\Omega$
Input capacitance	$\leq 100 \text{ pF}$
Temperature drift	$< 50 \text{ ppm}/^\circ\text{C}$
Accuracy of the DC measurement	$\pm 0.5 \%$
Dissipation loss	14 W at 75 kV
Leakage current	188 $\mu\text{A}$ at 75 kV
Maximum load at X3	Multimeter 10 $\text{M}\Omega$ , 100 pF
Scaling at X3	10 V per 100 kV
Maximum load at X4	Oscilloscope 1 $\text{M}\Omega$ , 13 pF
Scaling at X4	1 V per 100 kV
Instrument lead at X4	coaxial 50 / 75 $\Omega$ , 15 m

Ambient conditions	
Operation	0 $^\circ\text{C}$ to +40 $^\circ\text{C}$ , max. 80 % rel. humidity, non-condensing
Storage	0 $^\circ\text{C}$ to +60 $^\circ\text{C}$ , max. 90 % rel. humidity, non-condensing

Dimensions and weight	
length x width x height	255 x 163 x 443 mm
Weight	11 kg
Installation position	no specifications



### Document information

Title	Specifications HVD 75/CA11
Type	Data sheet
Author	Holger Sauerzapf
Release	24.10.2022

Manufacturer

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# Specifications

## HVD 100/R10

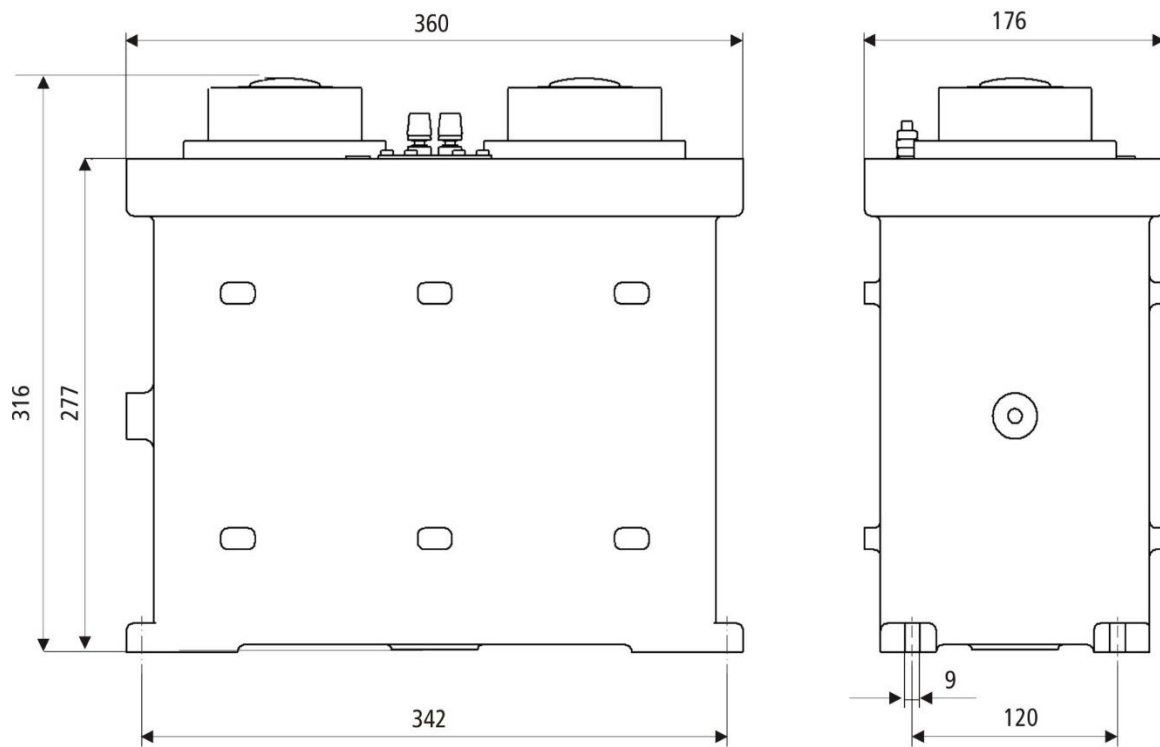


Technical data	
Setting range kV	0 kV to 100 kV
High voltage receptacle	R10

Specifications	
Divider ratio	10 000:1
Input impedance	$\leq 400 \text{ M}\Omega$
Input capacitance	$\leq 100 \text{ pF}$
Temperature drift	$< 50 \text{ ppm}/^\circ\text{C}$
Accuracy of the DC measurement	$\pm 0.5 \%$
Dissipation loss	25 W at 100 kV
Leakage current	225 $\mu\text{A}$ at 100 kV
Maximum load at X3	Multimeter 10 $\text{M}\Omega$ , 100 pF
Scaling at X3	10 V per 100 kV
Maximum load at X4	Oscilloscope 1 $\text{M}\Omega$ , 13 pF
Scaling at X4	1 V per 100 kV
Instrument lead at X4	coaxial 50 / 75 $\Omega$ , 15 m

Ambient conditions	
Operation	0 $^\circ\text{C}$ to +40 $^\circ\text{C}$ , max. 80 % rel. humidity, non-condensing
Storage	0 $^\circ\text{C}$ to +60 $^\circ\text{C}$ , max. 90 % rel. humidity, non-condensing

Dimensions and weight	
length x width x height	360 x 176 x 316 mm
Weight	23 kg
Installation position	no specifications



### Document information

Title	Specifications HVD 100/R10
Type	Data sheet
Author	Holger Sauerzapf
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# Specifications

## HVD 160/R24

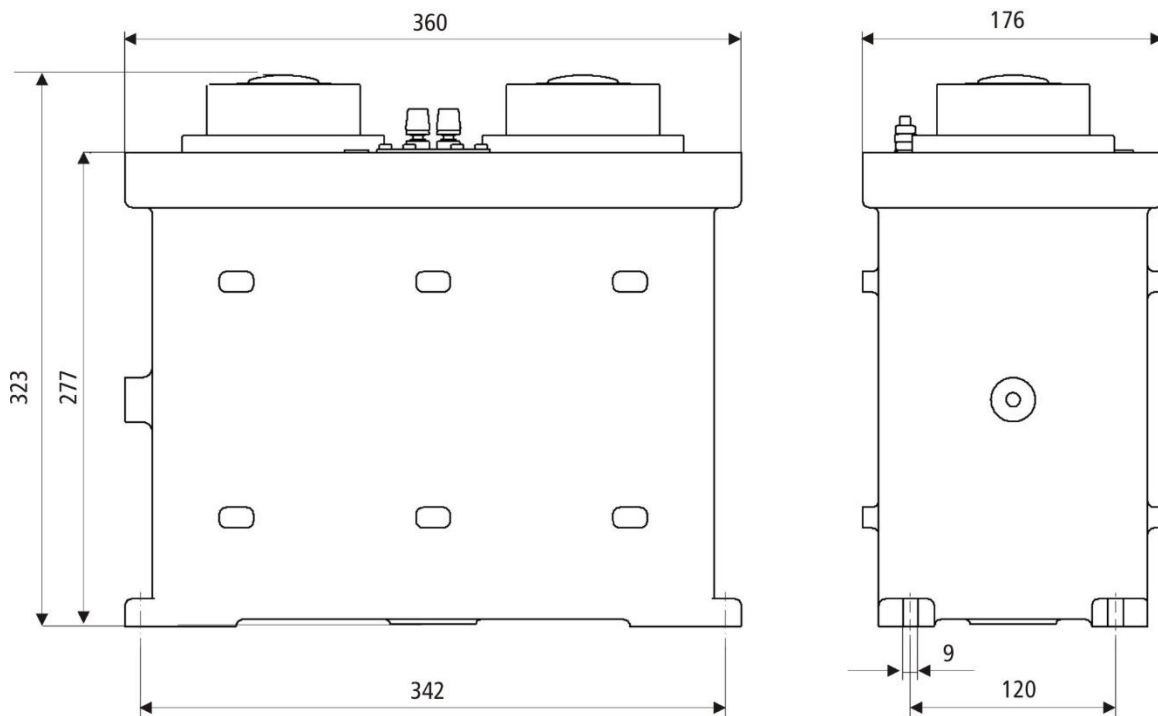


Technical data	
Setting range kV	0 kV to 160 kV
High voltage receptacle	R24

Specifications	
Divider ratio	10 000:1
Input impedance	$\leq 1600 \text{ M}\Omega$
Input capacitance	$\leq 100 \text{ pF}$
Temperature drift	$< 50 \text{ ppm}/^\circ\text{C}$
Accuracy of the DC measurement	$\pm 0.5 \%$
Dissipation loss	16 W at 160 kV
Leakage current	100 $\mu\text{A}$ at 160 kV
Maximum load at X3	Multimeter 10 $\text{M}\Omega$ , 100 pF
Scaling at X3	10 V per 100 kV
Maximum load at X4	Oscilloscope 1 $\text{M}\Omega$ , 13 pF
Scaling at X4	1 V per 100 kV
Instrument lead at X4	coaxial 50 / 75 $\Omega$ , 15 m

Ambient conditions	
Operation	0 $^\circ\text{C}$ to +40 $^\circ\text{C}$ , max. 80 % rel. humidity, non-condensing
Storage	0 $^\circ\text{C}$ to +60 $^\circ\text{C}$ , max. 90 % rel. humidity, non-condensing

Dimensions and weight	
length x width x height	360 x 176 x 323 mm
Weight	23 kg
Installation position	no specifications



### Document information

Title	Specifications HVD 160/R24
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Author	Holger Sauerzapf
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# Specifications

## HVD 225/R28

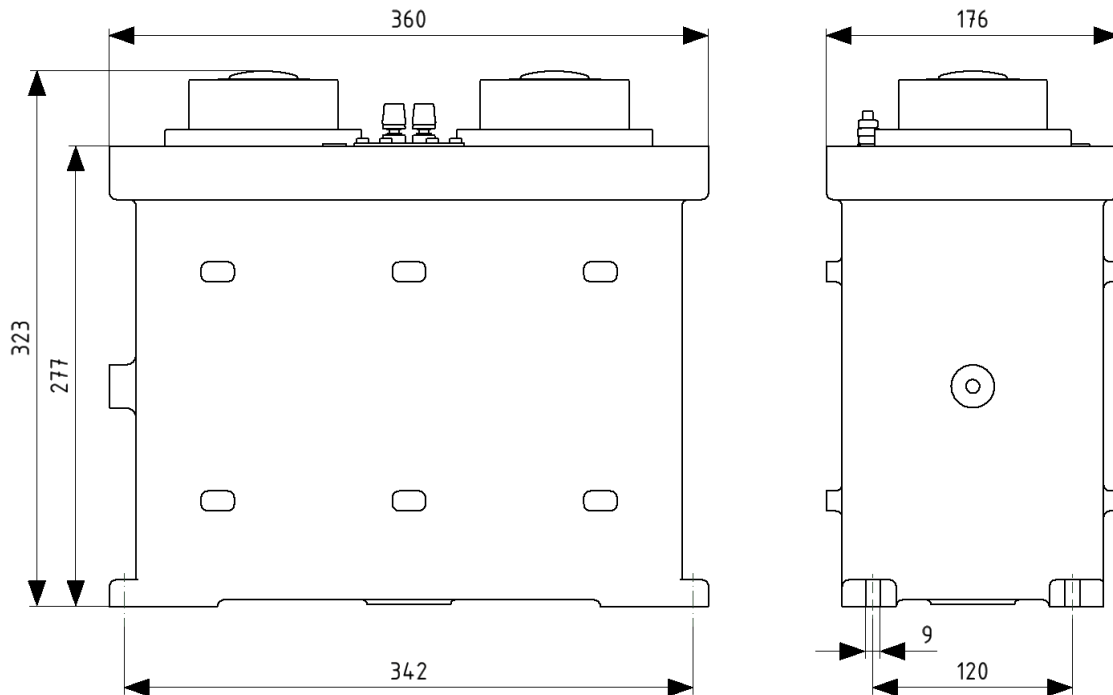


Technical data	
Setting range kV	0 kV to 225 kV
High voltage receptacle	R28

Specifications	
Divider ratio	10 000:1
Input impedance	$\leq 2400 \text{ M}\Omega$
Input capacitance	$\leq 100 \text{ pF}$
Temperature drift	$< 50 \text{ ppm}/^\circ\text{C}$
Accuracy of the DC measurement	$\pm 0.5 \%$
Dissipation loss	21 W at 225 kV
Leakage current	94 $\mu\text{A}$ at 225 kV
Maximum load at X3	Multimeter 10 $\text{M}\Omega$ , 100 pF
Scaling at X3	10 V per 100 kV
Maximum load at X4	Oscilloscope 1 $\text{M}\Omega$ , 13 pF
Scaling at X4	1 V per 100 kV
Instrument lead at X4	coaxial 50 / 75 $\Omega$ , 15 m

Ambient conditions	
Operation	0 $^\circ\text{C}$ to +40 $^\circ\text{C}$ , max. 80 % rel. humidity, non-condensing
Storage	0 $^\circ\text{C}$ to +60 $^\circ\text{C}$ , max. 90 % rel. humidity, non-condensing

Dimensions and weight	
length x width x height	360 x 176 x 323 mm
Weight	23 kg
Installation position	no specifications



### Document information

Title	Specifications HVD 225/R28
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Author	Holger Sauerzapf
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