

## Environmental Conditions for Erection and Operation of HV Test Systems

quotation number: \_\_\_\_\_

(will be filled in by HIGHVOLT)

### PERSONAL DATA

name: \* \_\_\_\_\_

company / institution: \* \_\_\_\_\_

phone: \_\_\_\_\_

e-mail: \* \_\_\_\_\_

fax: \_\_\_\_\_

\* mandatory fields

### HIGHVOLT HIGH-VOLTAGE COMPONENTS ARE NORMALLY DESIGNED FOR THE FOLLOWING CONDITIONS

erection	ambient temperature	relative humidity (up to 30°C)	altitude	wind velocity
	°C	%	m	km/h
indoor	+5 to +35	≤ 90	≤ 1000	-
outdoor	-25 to +40	≤ 98 (without dew)	≤ 1000	90

If required by the customer, HIGHVOLT HV test systems can be modified for harder conditions and additional demands (for example earthquake-proof) and can be specified for deviating nominal data.

placing location / country \_\_\_\_\_

height above sea level: ..... m

### TEST FIELD

indoor  outdoor

▪ new building

▪ existing building

### DESIRED PLACING OF THE HV GENERATOR(S)

stationary in test lab  movable in test lab  for on-site testing

▪ rollers

▪ rails

▪ air cushions

available space for the installation of the HV test system

width ..... m      **X**      length ..... m      **X**      height ..... m

If the space is very limited, add a drawing!

length of the measuring and control cables between control room and HV generator

standard (25 m)  other  ..... m

environmental operation conditions:	ambient temperature		max. relative air humidity
	°C		%
	min	max	
for the HV generator and components			
for the control measurement system			
for the regulation unit			
for the switchgear			

**ADDITIONAL CONDITIONS FOR THE OPERATION OF THE HV TEST SYSTEM**

air pressure (if altitude > 1000 m): min. .... hPa max. .... hPa

max. earthquake intensity: ..... acc. .... scale

for outdoor erection additionally:

rain often  sometimes  seldom

snow / ice yes  no

max. test voltage in presence of

▪ rain: ..... kV

▪ snow / ice: ..... kV

max. wind velocity: ..... km/h

air pollution yes  no

kind \_\_\_\_\_

**SPACE FOR REMARKS**

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