



TECHNICAL QUESTIONNAIRE 2.101/1

DC Test Systems

Please, fill in or stick your name card

Name	Quotation No.:
Company/Institution:	
Telephone:	(will be filled in by HIGHVOLT)
Fax:	e-mail:
Date:	

In order to offer and deliver a HV test system, optimized for your purposes and conditions, we ask for your cooperation to fill-in this form. Thank you!

- Type of the DC test system:
- complete DC test system
 - DC extension unit , to be fed by an existing AC test system with a
 - nominal voltage: kV
 - nominal power: kVA
 - impedance voltage: %

Application of the DC test system

- in test shop research institute training/education

mainly for the following test objects:

.....

.....

under the following conditions of the test object

- dry rained polluted

Required data for the DC test system:

Max. output voltage: kV

Min. output voltage: kV for which the requirements of IEC 60-1 concerning the voltage shape, the voltage raise speed and the adjustment accuracy must be fulfilled.

- Polarity positive negative both
- Polarity switch-over manually motor-driven
- Fast polarity reverse yes required reversal time: ms no
- voltage: kV
- Discharging, earthing, short-circuiting manually automatically

Please turn over!

Output current and operation mode:

Stationary load cases

load case	output voltage kV	output current A	ripple %	operation mode			
				continuous operation	short-time operation		
					ON min	OFF min	load cycles per day
1. 2. 3.							
<i>example</i>	<i>10</i>	<i>450</i>	<i>< 3</i>		<i>30</i>	<i>30</i>	<i>6</i>

Dynamic load cases (current impulses)

load case	rectangular current impulse			cycle duration ms	peak value A	permissible ripple %	permissible voltage drop %
	rise time	crest-time	fall-time				
	ms	ms	ms				
1. 2. 3.							
<i>example</i>	<i>330</i>	<i>330</i>	<i>330</i>	<i>2000</i>	<i>2</i>	<i>< 5</i>	<i>< 5</i>

Control

basic control computer-aided measuring, control and evaluation system

Supply conditions for the feeding of the DC test system

	low-voltage mains	medium-voltage mains*
mains voltage	... / ... V	... kV
frequency	... Hz	
available power: single-phase kVA kVA
three-phases kVA kVA
star point earthed	yes <input type="checkbox"/> no <input type="checkbox"/>	yes <input type="checkbox"/> no <input type="checkbox"/>

* only for power > 500 kVA

Erection, commissioning, training shall be offered:

assembling and commissioning: yes no
 training of client's staff: yes no

Space for remarks:

For further information please contact:

HIGHVOLT Prüftechnik Dresden GmbH
 Marie-Curie-Strasse 10
D-01139 Dresden / Germany

Tel. ++49 351 8425-648
 Fax ++49 351 8425-679
 e-mail sales@highvolt.de
 website www.highvolt.de